This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

POOR'S DIRECTORY OF RAILWAY OFFICIALS

A SUPPLEMENT TO POOR'S MANUAL OF RAILROADS

1887

C. G. HUSSEY, Chairman. JAS. W. BROWN, Sec'y and Treas.

HUSSEY, HOWE & CO., Limited,

MANUFACTURERS OF

CAST STEEL

Bes and
T el

LIBRARY
OF THE
UNIVERSITY OF CALIFORNIA.
GIFT OF
The Publishers
Received Feb., 1890.
Accessions No. 39988 Shelf No.

ers, Smoke Stack and Tank
Sheets, "The Standard"
Spring Steel, Frog
Points and
Plates,
Crank Pins and other Special Forgings.

OFFICE AND WORKS:

PITTSBURGH.

BRANCH WAREHOUSES:

BOSTON, 127 Oliver St. NEW YORK, 3 Cliff St.
CHICAGO, 208 and 210 Lake St.

DOUGLASS GREEN.
W. W. DUDLEY

A. E. BATEMAN.
R. G. MURPHY.
Members N. Y. Stock Exchange.

GREEN & BATEMAN,

BANKERS,

ASTOR BUILDING, 10 WALL STREET,

NEW YORK.

Private Wires to Chicago, Richmond, Washington, Philadelphia, Boston, and Intermediate Points.

BRANCH OFFICES CONNECTED BY PRIVATE WIRES:

BATEMAN & CO., ... Washington, D. C.
NEW YORK HOTEL, ... 721 Broadway, New York.
CASINO BUILDING, ... Newport, R. I.
HOLLYWOOD COTTAGES, . . Hollywood, Long Branch, New Jersey.

Morton, Bliss & Co.,

BANKERS,

Corner Cedar and Nassau Sts., New York,

ISSUE CIRCULAR NOTES & LETTERS of CREDIT

FOR TRAVELERS;

ALSO COMMERCIAL CREDITS,

AVAILABLE IN ALL PARTS OF THE WORLD.

NEGOTIATE FIRST-CLASS RAILWAY, CITY and STATE LOANS,

MAKE TELEGRAPHIC TRANSFERS OF MONEY,

AND DRAW EXCHANGE ON THE PRINCIPAL CITIES OF EUROPE.

MORTON, ROSE & CO., London.

ESTABLISHED 1782.

Phœnix Assurance Company,

OF LONDON, ENGLAND.

FIRE INSURANCE ONLY.

Losses Paid, over $79,000,000

SHAREHOLDERS INDIVIDUALLY LIABLE.

Head Office in United States:

67 Wall Street, New York.

A. D. IRVING, Manager. E. B. CLARK, Ass't Manager.

RAILROAD PROPERTY INSURED.

PHENIX INSURANCE CO.

OF BROOKLYN.

OFFICE,

195 Broadway, New York City.

STATEMENT OF COMPANY 1st DAY OF JAN., 1887:

CASH CAPITAL	$1,000,000 00
Reserve for unearned premiums	3,466,886 97
Reserve for unpaid losses	359,197 93
Net surplus	557,086 78
Cash assets	$5,383,171 68

STEPHEN CROWELL, President.

WM. R. CROWELL, Vice-President.

GEORGE INGRAHAM, Second Vice-President.

PHILANDER SHAW, Secretary.

GEO. H. FISKE, Assistant Secretary.

FRANKLIN
Bank Note Company,

142 Broadway, cor. Liberty St., New York.

INCORPORATED 1877.

ENGRAVERS AND PRINTERS OF

BONDS AND CERTIFICATES OF STOCK.

ALSO

BANK NOTES, BILLS OF EXCHANGE, DRAFTS, CHECKS, NOTES, PROPRIETORY STAMPS, LABELS, TAGS, BILL AND LETTER HEADS,

DIPLOMAS AND CERTIFICATES OF MEMBERSHIP,

Insurance Policies, Calendars, and Commercial Work of all kinds.

RAILWAY TICKETS

IN ALL VARIETIES.

ALL WORK EXECUTED IN FIREPROOF PREMISES.

A. CLAXTON CARY, MANAGER.

PLOUGH ROPES.

SWITCH ROPES.

JOHN A. ROEBLING'S SONS CO.,

MANUFACTURERS OF

FENCE WIRE.

WIRE ROPE

TELEGRAPH WIRE.

Rope for Hoisting, for Incline Planes, etc.

GALVANIZED ROPE FOR GUYS.

WIRE.

Galvanized Telegraph Wire, Hard Drawn Copper Telegraph Wire.

INSULATED ELECTRIC WIRE.

New York Warehouse and Office, - 117 AND 119 LIBERTY STREET.

H. L. SHIPPY, Manager.

W. L. STROUD. Established 1868 E. H. STROUD.

STROUD & CO.,

104 JOHN STREET, NEW YORK,

IMPORTERS OF STEEL RAILS

STEEL, IRON, TIN PLATES, METALS, ORES, OLD RAILS, AND EVERY DESCRIPTION OF IRON AND STEEL SCRAP.

AGENTS FOR

Chickies, Conewago, Muirkirk and Martel Furnaces

High-Grade Foundry **PIG IRON** Forge & Car-Wheel

Also Eastern and Canadian Agents for Messrs. Davenport & Fairbairn, Erie, Pa., for the sale of their celebrated

CHILLED IRON CAR WHEELS,

MADE BY AN IMPROVED PROCESS, FAR EXCEEDING IN DURABILITY THOSE MADE IN THE ORDINARY WAY.

POOR'S DIRECTORY

OF

RAILWAY OFFICIALS

1887.

SECOND ANNUAL NUMBER CONTAINING LISTS OF

the Officers of all Railways in North America and of the leading organizations auxiliary to the Railway System. Lists of Officers of South American and British Railways etc.

COMPILED FROM OFFICIAL INFORMATION

Poor's Railroad Manual

70 WALL ST. NEW YORK.

Effingham Wilson. Royal Exchange.

LONDON.

American Bank Note Company New York

HE2723
.P8
1887

COPYRIGHT, 1887,
BY POOR'S RAILROAD MANUAL CO.

Burr Printing House,
18 Jacob Street, New York.

AMERICAN BANK NOTE COMPANY

78 to 86 Trinity Place, New York.

Business Founded 1795. Incorporated under Laws of State of New York 1858. Reorganized 1879.

Engravers and Printers

OF

BONDS AND STOCK CERTIFICATES,

AND ALL OTHER DOCUMENTS REQUIRING SECURITY, BANK NOTES, BONDS, POSTAGE AND REVENUE STAMPS FOR FOREIGN GOVERNMENTS, DRAFTS, CHECKS, BILLS OF EXCHANGE, LETTER HEADS, ETC.

ENGRAVING AND PRINTING

Executed in the Finest and Most Artistic Style from Steel Plates, with Special Safeguards to prevent Counterfeiting. Special Papers Manufactured Exclusively for use of the Company.

SAFETY COLORS. SAFETY PAPERS.

Work Executed in Fire-proof Buildings.

RAILWAY PRINTING of ALL DESCRIPTIONS

Railway Tickets, Maps, Folders, and Illuminated Show Cards,

OF THE MOST APPROVED STYLES.

Numbered, Local and Coupon Tickets, of any Size, Pattern, Style of Device, with Steel Plate Tints.

LITHOGRAPHIC & TYPE PRINTING

Show Cards, Labels, Calendars.

BLANK BOOKS OF EVERY DESCRIPTION.

TRUSTEES:

JAMES MACDONOUGH, PRESIDENT.

A. D. SHEPARD,
W. M. SMILLIE,
J. T. ROBERTSON, } VICE-PRESIDENTS.

JOSEPH W. DREXEL,
CHRISTOPHER MEYER,
P. C. LOUNSBURY,
G. H. STAYNER,
JOSEPH S. STOUT.
T. H. PORTER,
J. K. MYERS,

THEO. H. FREELAND, SEC. AND TREAS.

THE STANDARD PAINT CO.

MANUFACTURERS OF

FIRE RESISTING, ACID AND
WATER PROOF, ALKALI PROOF

PAINTS AND COMPOUNDS.

Paint for Preserving Iron, Wood and Metals from Decay.

Paint for Preserving Piles and Cross Ties, far superior to Creosote and much cheaper.

For Painting Car and Depot Roofs it has No Equal, *especially on Tin, Wood or Canvas,* strictly water and spark proof.

For Painting places where Sulphurous Smoke destroys all other Paints and rots Iron and Wood, this paint is a Preservative, and arrests Decay, especially under bridges and on car tops.

For Painting Roofs of Locomotive Cabs, Smoke Stacks, Car Trucks and Castings, to Preserve them against Rust, Alkalies and the Atmosphere.

For Preserving Water Tanks, making them tight, adding five times the life of a tank, by having our Preservative Coat upon it.

For Water Proofing Brick, Culverts, Tunnels and Sewers.

THIS PAINT WILL NOT CRACK, PEEL OR BLISTER.

P. & B. PATENT IDEAL ROOFING.

SPARK PROOF, FIRE RESISTING, WEATHER PROOF, ACID PROOF.

NO COAL TAR. NO ASPHALT. NO ODOR.

P. & B. Patent IDEAL ROOFING—Can't be torn, anybody can lay it, has no smell, heat won't make it run, it will not rot and is positively weather proof.

Our ROOFING is classed by New York Board of Fire Underwriters the same as TIN.

NONE LIKE IT FOR CAR ROOFS AND DEPOTS.

Water, Acid and Alkali Proof Lining,

SHEATHING AND WRAPPING PAPERS.

For Lining between Double Planks on Freight Cars.

FREE FROM ODOR.

59 MAIDEN LANE, NEW YORK, U. S. A.

SEND FOR DESCRIPTIVE CIRCULAR, SAMPLES AND PRICES.

North Chicago Rolling Mill Co.

ESTABLISHED 1857. INCORPORATED 1869.

Capital, - - - - - - $6,000,000
Surplus, - - - - - - 2,500,000

MANUFACTURERS OF

Iron and Steel Nails,

MERCHANT BAR, FISH PLATES,

Pig Metal, Iron Rails,

AND

BESSEMER STEEL RAILS.

Works at Chicago and South Chicago, Ill., and Milwaukee, Wis.

PRESENT ANNUAL CAPACITY OF THESE WORKS:

Nails	*15,000*	*Gross*	*Tons.*
Fish Plates	*16,000*	"	"
Merchant Bar	*50,000*	"	"
Pig Metal	*340,000*	"	"
Iron Rails	*110,000*	"	"
Steel Rails	*300,000*	"	"
Total—Gross Tons	*831,000*		

This Company possesses facilities for the production of Iron and Steel of BEST QUALITY.

New patterns of Rails or Special sizes of Merchant Iron will be made to order.

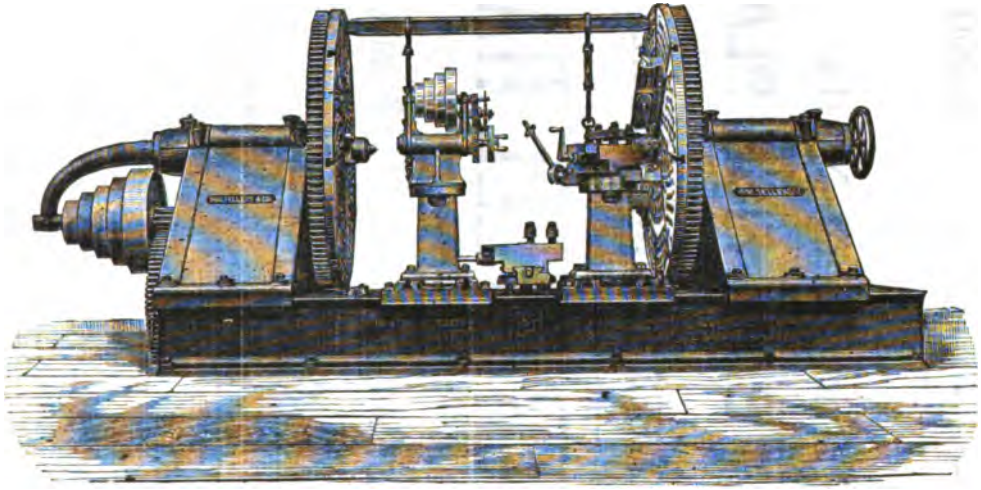
OFFICES:

17 Metropolitan Block, Chicago, Ill. 151 Insurance Block, Milwaukee, Wis.

O. W. POTTER, President, Chicago.
S. CLEMENT, Treasurer, Milwaukee.
NATH'L THAYER, Vice-Pres., Boston.
R. C. HANNAH, Secretary, Chicago.

WILLIAM SELLERS & CO., INCORPORATED.

PHILADELPHIA, PA.



MANUFACTURERS OF MACHINE TOOLS FOR WORKING IRON AND STEEL, IMPROVED TURNTABLES FOR LOCOMOTIVES, CARS, AND PIVOT BRIDGES. TRANSFER TABLES, &c., &c.

Shafting, Hangers, Pulleys, &c., for Transmitting Power.

THE SELF-ADJUSTING INJECTOR OF 1876,

STARTED, STOPPED AND REGULATED BY A SINGLE LEVER.

CONTENTS.

	PAGES
Preface	XL to XLI
1. Railroad (Steam) Officials	1 to 178
2. Railroad Contractors	205 to 215
3. Car Axle Manufacturers	217 to 219
4. Car Builders	220 to 221
5. Car Spring Manufacturers	222
6. Car Wheel Manufacturers	223 to 224
7. Locomotive Builders	225
8. Rail Mills	226 to 228
9. Railroad (Street) Officials	231 to 261
10. Lumber, Logging and Mining Railroads	262 to 271
11. Special List of General Managers and General Superintendents	272 to 281
12. Special List of Chief Engineers	283 to 286
13. Special List of General Freight and Passenger Agents	287 to 293
14. Special List of Master Mechanics	294 to 298
15. Special List of Master Car Builders	299 to 300
16. Special List of Master Car Painters	301
17. Special List of Purchasing Agents	302 to 306
18. Associations of Railroad Officials and Railroad Employés	307 to 309
19. City and Town Index	310 to 316
20. Foreign Railroads	317 to 335
21. Officers of Sleeping and Parlor-Car Companies, Stock-Car and Equipment Companies	336 to 337
22. Officers of Express and Telegraph Companies	338 to 339
23. Index to Railroad Officials	340 to 370
24. Railroad Commissioners	371 to 372
25. Bridge Builders	381

For Corrections and Changes made while book was in press, see pink pages, 373 to 380.

UNIVERSITY OF CALIFORNIA

HINKLEY LOCOMOTIVE CO.

ESTABLISHED IN 1841.

OFFICE: 439 ALBANY STREET, BOSTON

C. L. PEIRSON, Treasurer.

EQUIPMENT

—OF—

Machine and Railway Shops.

MY propositions cover Engines, Boilers, Cold Rolled Iron or Steel Shafting, Adjustable Self-Oiling Hangers, Compression Couplings, Split or Solid Pulleys, Iron and Wood Working Machinery, Foundation Drawings. Everything delivered at the shops to be equipped, located, started, not to be accepted or paid for until running satisfactorily. In this way only can parties purchasing know in advance just what the entire cost will be, and keep out bills for "extras," which are usually numerous at the end of such jobs.

I have in this way equipped many railway and car shops, and I know of no instance in which entire satisfaction has not been given.

Terms of payment made satisfactory.

EASTERN AGENT: J. A. FAY & CO., CINCINNATI.

GEORGE PLACE,

Late the Geo. Place Mach. Co.,

121 Chambers St., New York.

PULLMAN'S

PALACE CAR COMPANY.

GENERAL OFFICES, - PULLMAN BUILDING, COR. MICHIGAN AVE. & ADAMS ST., CHICAGO.
NEW YORK OFFICE, - - - - - MILLS BUILDING, 15 BROAD STREET, NEW YORK.
LONDON OFFICE, - - - - - - ST. PANCRAS STATION, MIDLAND RAILWAY.

GENERAL OFFICERS.

GEO. M. PULLMAN, President.
H. PORTER, Vice-Pres., New York.
R. H. GOODMAN, 2d Vice-President. (In charge of construction.)
A. S. WEINSHEIMER, Secretary.
GEO. F. BROWN, General Manager.
T. H. WICKES, Gen. Superintendent.
A. B. KIENAN, Asst. to Gen. Supt.
ALFRED ENNIS, General Counsel.
C. H. DAVIS, Auditor.
F. C. N. ROBERTSON, Asst. Auditor.
GEO. M. GRAY, Gen. Ticket Agent.
W. I. MILNER, Asst. Gen. Ticket Agt.
WM. S. BALDWIN, General Agent.
WM. A. ANGELL, Purchasing Agt.
S. W. BREESFIELD, Asst. Purchasing Agent, New York.
J. F. TROUT, Commissary.

DIVISION SUPERINTENDENTS.

R. A. JEWETT, Chicago Division, Chicago, Ill.
JAMES MARTIN, Southern Division, Cincinnati, O.
W. H. REED, Eastern Division, Montreal, Canada.
H. S. BILLINGS, Erie Division, Mills Building, N. Y.
L. M. BENNETT, Pacific Division, Omaha, Neb.
ROBERT BARRY, Central Division, Philadelphia, Pa.
C. A. GARDNER, St. Louis Division, St. Louis, Mo.
J. P. MEEHAN, Western Division, San Francisco, Cal.

ASSISTANT SUPERINTENDENTS.

A. L. KONTZ, Atlanta, Ga.
J. W. STOCKTON, Boston, Mass.
M. B. KINNEY, Chicago, Ill.
P. N. SKINNER, Chicago, Ill.
J. C. GIBBONS, Cincinnati, O.
G. A. RANDALL, Denver, Col.
H. J. CLARKE, El Paso, Tex.
W. H. DICKINSON, Galveston, Tex.
H. H. MARMADUKE, J'ksonville, Fla.
J. H. SIMS (Pennsylvania Depot), Jersey City, N. J.
D. W. MORRISON (Erie Depot), Jersey City, N. J.
E. N. LEAMASTER, Kansas City, Mo.
J. S. GIVEN, Jr., Louisville, Ky.
JOHN H. SILANCE, Montreal, Can.
J. B. TRISTRAM, New Orleans, La.
W. H. SCOTT, Omaha, Neb.
J. E. COOLIDGE, Ogden, Utah.
BOYLE IRWIN, Philadelphia, Pa.
W. F. CROUCH, Pittsburgh, Pa.
W. H. BOOT, Portland, Oregon.
D. H. MARTIN, St. Louis, Mo.
F. E. RICE, St. Paul, Minn.
N. MAIN, Washington, D. C.

AGENTS.

J. K. BENNETT, Buffalo, N. Y.
WM. EDGAR, City of Mexico.
C. T. PATRIARCHE, Deming, N. M.
J. F. RICHARDSON, Horn'lsville, N.Y.
A. W. REPPY, Las Vegas, N. M.
P. J. SLATTER, Toronto, Can.
B. W. PRESCOTT (Acting), Los Angeles, Cal.
J. A. HUGHES, Memphis, Tenn.
T. E. KINSEY, Montgomery, Ala.
C. B. TENNANT, Richmond, Va.
HENRY PORTER, Savannah, Ga.

Private Cars for Tourists, Sportsmen, Theatrical People, etc.

The Pullman's Palace Car Company has a number of elegant cars which they are prepared to charter for single trips or extended tours. Among these are:

HOTEL CARS PRESIDENT, WEST END, ROSSMORE, VICEROY and others, with sleeping and dining facilities for from twenty-four to thirty-six people.

HUNTING CARS IZAAK WALTON and DAVY CROCKETT are provided with kitchen and every convenience for private or hunting parties, and accommodate from twelve to fifteen people. They also have kennels for dogs and racks for guns.

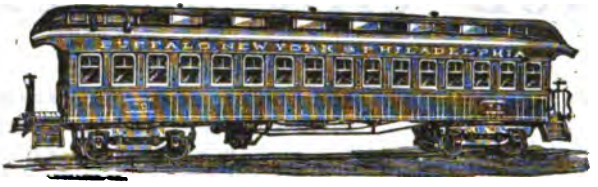
PRIVATE CARS TRAVELER, RARITAN, KEARSARGE, PICKWICK, WANDERER, MASCOTTE, NIMROD, GLEN EYRE, FALCON, IDLER, GENESTA and others, accommodate from twelve to eighteen people. They are well fitted for leading theatrical people, family parties and tourists; they are provided with private rooms, folding beds, observation rooms, and every comfort for parties wishing to live in the car.

This Company will also furnish the commissariat, if desired, and polite and skilful attendants will accompany the cars. The reputation of the Company is sufficient guarantee that all appointments will be first-class in every particular.

FOR INFORMATION REGARDING PARLOR, SLEEPING, BUFFET, HOTEL OR SPECIAL CARS, CALL ON OR ADDRESS ANY OF THE SUPERINTENDENTS.

J. G. BRILL COMPANY,

31st and Chestnut Streets, Philadelphia,



BUILDERS OF

Railway Cars and Street Cars.

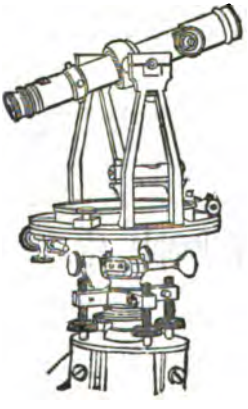
PASSENGER CARS

OF ALL CLASSES.

Small Freight, Cane

—AND—

HAND CARS.



ESTABLISHED 1820.

YOUNG & SONS,

Manufacturers of

Engineering Instruments,

43 N. 7th STREET, PHILA.

Inventors and Introducers of the Engineers' Transit.

The only Establishment capable of securing Accuracy of Graduation.

Illustrated Catalogue upon application.

ALPHABETICAL LIST OF ADVERTISERS.

A

PAGE

Ætna Powder Co.....Chicago, Ill. 204
Age of Steel (The).....St. Louis, Mo. 191
Alabama Car Works.....Anniston, Ala. 38
Albany Bridge and Iron Works.....Albany, N. Y. 166
Albro, E. D. Co.....Cincinnati, O. 148
Allison Manufacturing Co.....Philadelphia, Pa. 26
American Bank Note Co.....New York, N. Y. IV
American Brake Co.....St. Louis, Mo. 76
American Journal of Railway Appliances.....New York, N. Y. 185
American Manufacturer.....Pittsburgh, Pa. 188
American Railway Publishing Co.....New York, N. Y. 185
Atlanta Bridge and Axle Co.....Atlanta, Ga. 176
Atlanta Lumber Co.....Atlanta, Ga. 104
Atlantic Dynamite Co.....New York, N. Y. 206
Atlantic Refining Co.....Philadelphia, Pa. 106

B

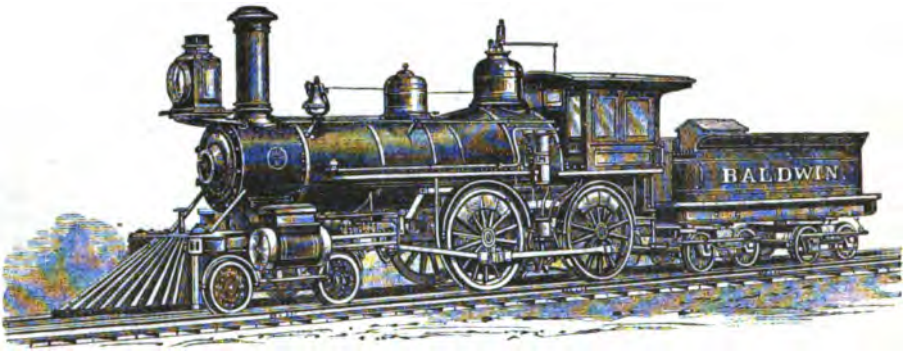
Baldwin Locomotive Works.....Philadelphia, Pa. XIII
Barney & Smith Manufacturing Co.....Dayton, O. XV
Barrows & Co.....New York, N. Y. 208
Bass Foundry and Machine Co.....Fort Wayne, Ind. 130
Bass, J. H.....Chicago, Ill. 182
Baugh Steam Forge Co.....Detroit, Mich. 118
Bement, Miles & Co.....Philadelphia, Pa. 12
Boughton, J. W.....Philadelphia, Pa. 120
Bouscaren, G.....Cincinnati, O. 218
Boynton, George A.....New York, N. Y. 54
Bradley Car Works.....Worcester, Mass. 40
Bradley & Smith.....New York, N. Y. 10
Bridgeport Brass Co.....Bridgeport, Conn. 96
Brill, J. G. Co. (Philadelphia Car Works.).....Philadelphia, Pa. XIII
Brooks, Clarence & Co.....New York, N. Y. 10
Brownell & Wight Car Co.....St. Louis, Mo. 238
Burnham, Parry, Williams & Co.....Philadelphia, Pa. XII
Burton Lumber Co.....Baton Rouge, La. 64
Bushnell, A.....Kansas City, Mo. 156

C

Cambria Iron Co.....Philadelphia, Pa. 4
Carey, George H.....New York, N. Y. 214
Carnegie Bros. & Co., Limited.....Pittsburgh, Pa. 102
Carolina Oil and Creosote Co.....Wilmington, N. C. 150
Chanute, O.....Kansas City, Mo. 146
Chattanooga Clay Works (Montague & Co.).....Chattanooga, Tenn. 146
Chester Steel Casting Co.....Philadelphia, Pa. 18
Chicago Splice Bar Mill (Morris Sellers & Co.).....Chicago, Ill. 2
Chilton Manufacturing Co.....New York, N. Y. 124
Cleveland Iron Ore Paint Co.....Cleveland, O. 60
Cleveland Rolling Mill Co.....Cleveland, O. 58
Cleveland Stone Co.....Cleveland, O. 108
Cleveland Wheel and Foundry Works (Maher & Brayton).....Cleveland, O. XVII
Coal Trade Journal.....New York, N. Y. 186
Collins, H. E. & Co.....Pittsburgh, Pa. 68
Colorado Coal and Iron Co.....South Pueblo, Col. 54
Conway, M. W.....Brooklyn, N. Y. 208

ESTABLISHED 1831. **ANNUAL CAPACITY, 600.**

BALDWIN LOCOMOTIVE WORKS,



Burnham, Parry, Williams & Co., Prop'rs, Philadelphia, Pa.,

MANUFACTURERS OF

LOCOMOTIVE ENGINES,

Adapted to every variety of service, and built accurately to standard gauges and templates.

LIKE PARTS OF DIFFERENT ENGINES OF SAME CLASS PERFECTLY INTERCHANGEABLE.

Passenger and Freight Locomotives, Narrow-gauge Locomotives, Mine Locomotives, Contractors' Locomotives, Locomotives for Iron Furnaces, Logging Railroads, Sugar Estate Railroads, Rolling Mills, etc.

Illustrated Catalogues, Photographs and Estimates furnished on application of Customers. All work thoroughly guaranteed.

NOISELESS STEAM MOTORS FOR CITY AND SUBURBAN RAILWAYS.

These machines are nearly noiseless in operation; show no smoke with the use of anthracite coal or coke as fuel, and show little or no steam under ordinary conditions of service. They can be run at two or three times the speed of horse cars and draw additional cars. Circulars with full particulars supplied.

GEO. BURNHAM,
CHAS. T. PARRY,
EDW. H. WILLIAMS,
WM. P. HENSZEY,
JOHN H. CONVERSE,
WILLIAM C. STROUD,
WILLIAM H. MORROW,
WILLIAM L. AUSTIN.

BURNHAM, PARRY, WILLIAMS & CO.,
PHILADELPHIA.

POOR'S DIRECTORY OF RY. OFFICIALS—ALPHABETICAL LIST OF ADVERTISERS.

PAGE

Cooke Locomotive and Machine Co.....Paterson, N. J. XXVII
Coolidge, W. G. & Co.....Chicago, Ill. 212
Cooper, Theodore.....New York, N. Y. 218
Cooper, Hewitt & Co.....New York, N. Y. 90
Craig, William P.....New York, N. Y. 210

D

Dannat & Pell.....New York, N. Y. 156
De Golyer Varnish Co.....Chicago, Ill. 94
de Intinis, L.....St. Louis, Mo. 215
Delafield, Tallmadge.....New York, N. Y. 203
Delano & Richardson.....New York, N. Y. 208
Desha Lumber and Planting Co.....Boston, Mass. 64
Detroit Bridge and Iron Works.....Detroit, Mich. 160
Detroit Car Wheel Co.....Detroit, Mich. 118
Detroit Steel and Spring Works.....Detroit, Mich. 168
Devoe, F. W. & Co.....New York, N. Y. XXV
Dickinson, P. P.....New York, N. Y. 212
Dilworth, Porter & Co.....Pittsburgh, Pa. 68
Dixie Powder Co.....Chattanooga, Tenn. 164
Dodge, Meigs & Co.....New York, N. Y. 158
Dreher & Co.....New York, N. Y. 228
Drummond, M. J.....New York, N. Y. 214
Dudgeon, Richard.....New York, N. Y. XXXI

E

Eames' Vacuum Brake Co.....Boston, Mass. XLII
Eastern Forge Co.....Portland, Me. 124
Engineering News Publishing Co.....New York, N. Y. 182 and 191
Eppinger & Russell.....Brooklyn, N. Y. 14
Erie Car Works.....Erie, Pa. 40
Esson, John.....Detroit, Mich. 210
Esterbrook Steel Pen Co.....New York, N. Y. 22
Excelsior Foundry and Machine Works.....Birmingham, Ala. 164

F

Fay, J. A. & Co.....Cincinnati, O. 78
Feigel Car Co.....New York, N. Y. 234
Fidelity and Casualty Co.....New York, N. Y. *Inside Back Cover.*
Financial Review.....New York, N. Y. 193
Financier (The).....New York, N. Y. 194
Franklin Bank Note Co.....New York, N. Y. II
Fremont & Ryan.....Atlanta, Ga. 152
French, S. A.....New York, N. Y. 22
Fuller Bros. & Co.....New York, N. Y. 32
Fulton Foundry.....Cleveland, O. 244

G

Garry Iron Roofing Co.....Cleveland, O. 60
Gaynor, E. J.....Pottsville, Pa. 215
Geneva Non-Magnetic Watch Co.....New York, N. Y. *Back Cover.*
Gould, E. & Eberhardt.....Newark, N. J. XVII
Graham, John R., Jr.....New York, N. Y. 156
Greeley, E. S. & Co.....New York, N. Y. 34
Green & Bateman.....New York, N. Y. *Opposite Inside Front Cover.*
Greene, Tweed & Co.....New York, N. Y. XXXV
Guthrie, Southwick.....Washington, D. C. XXXV

H

Haines Bros.....New York, N. Y. 240
Hamilton, T. H.....Toledo, O. 212
Harlan & Hollingsworth Co.....Wilmington, Del. 24
Hartwell, H. Edgar Co.....New York, N. Y. 122
Haskell & Barker Car Co.....Michigan City, Ind. 176
Hecla Powder Co.....New York, N. Y. 204

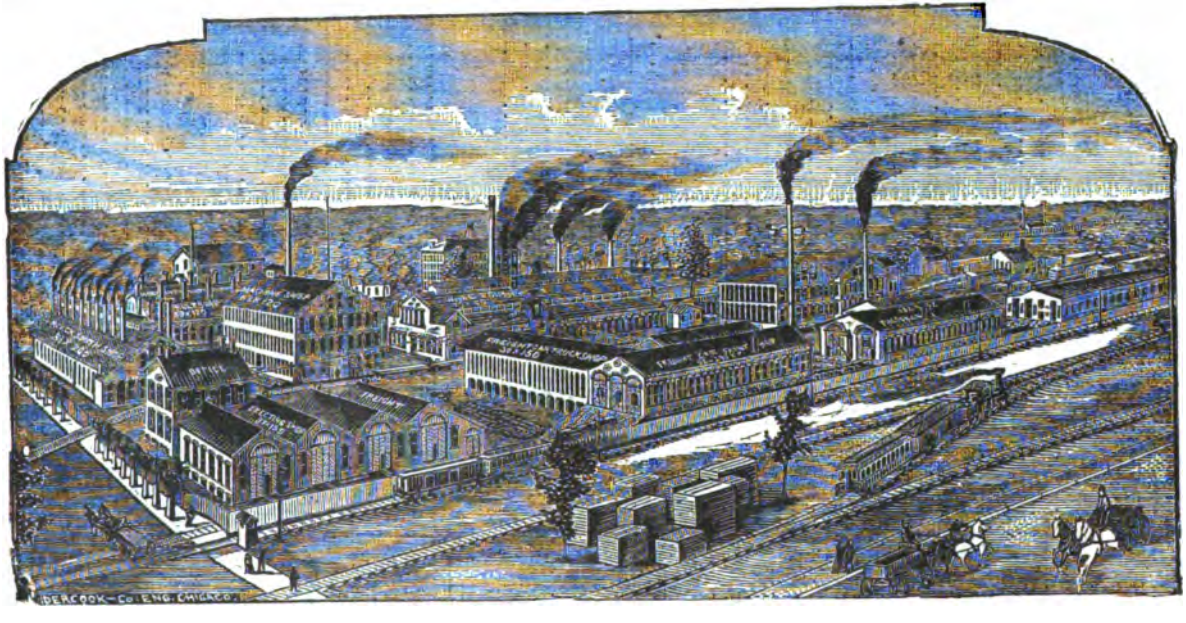
MANUFACTURERS OF ROLLING STOCK FOR RAILROADS,

Grounds Occupied, 40 Acres. Capacity, 20 Freight Cars and 160 Car Wheels per day.

Car Wheels, and all kinds of Castings.

ESTABLISHED 1849.

25 Passenger and Baggage per Month. Employ 1,500 men. Fifteen Million Feet of Lumber in Store.



E. J. BARNEY, President.
EDWARD E. BARNEY, Supt.

Barney & Smith M'f'g Co.,

DAYTON, OHIO.

J. D. PLATT, Vice-Pres. & Treas.
F. E. SMITH, Sec'y.
A. M. KITTREDGE, Asst. Supt.

POOR'S DIRECTORY OF RY. OFFICIALS—ALPHABETICAL LIST OF ADVERTISERS.

PAGE

Heidt, Louis & Bros ..... Brooklyn, N. Y. 114
Hildreth Varnish Co ..... New York, N. Y. 166
Hinkley Locomotive Co ..... Boston, Mass. IX
Horstmann Bros. & Co ..... Philadelphia, Pa. XXV
Humphreys & Sayce ..... New York, N. Y. 203
Hunter, Tillotson & Co ..... Muskegon, Mich. 156
Hussey, Hoyt & Co ..... Cleveland, O. XXV
Hussey, Howe & Co., Limited ..... Pittsburgh, Pa. *Inside Front Cover.*

I

Indicator Publishing Co ..... New York, N. Y. 192
Ingersoll Rock Drill Co ..... New York, N. Y. 282
Intinis, L. de ..... St. Louis, Mo. 215

J

Jackson & Sharp Co ..... Wilmington, Del. 16
Johnson Steel Street Rail Co ..... Johnstown, Pa. *Opposite Inside Back Cover.*
Johnston Railroad, Frog and Switch Co ..... Philadelphia, Pa. 261
Jones & Benner Co ..... Philadelphia, Pa. 170
Jordan, F ..... New York, N. Y. 203
Joliet Steel Co ..... Joliet, Ill. 92

K

Knight & Bontecou ..... Kansas City, Mo. 216
Knoxville Car Wheel Co ..... Knoxville, Tenn. 86

L

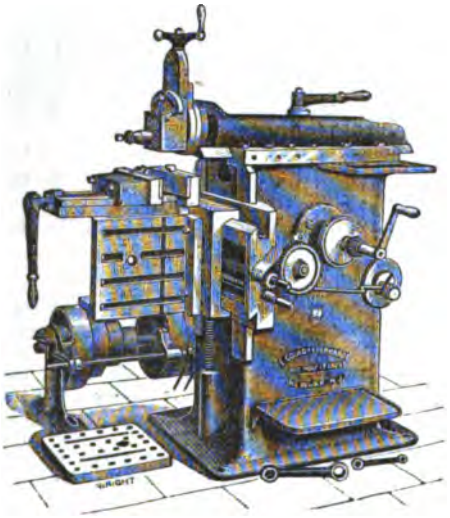
Laflin & Rand Powder Co ..... New York, N. Y. 214
Lancashire Insurance Co ..... New York, N. Y. 110
Leavitt, C. W. & Co ..... New York, N. Y. 203
Lebanon Manufacturing Co ..... Lebanon, Pa. 128
Lewis Hand Fire Extinguisher Co ..... Chicago, Ill. 98
Litchfield Car and Machine Co ..... Litchfield, Ill. XXXIII
Lucius, Albert ..... New York, N. Y. 218
Ludlow Valve Manufacturing Co ..... Troy, N. Y. 20

M

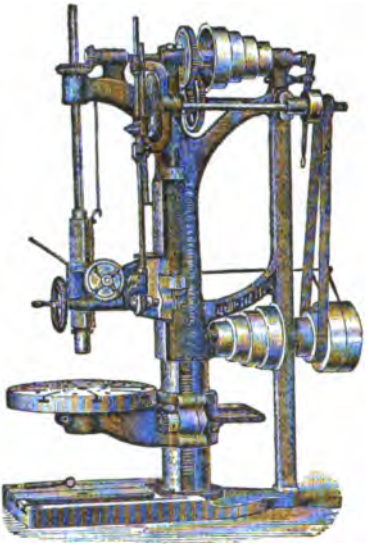
MacCormack, J ..... Albany, N. Y. 166
Maher & Brayton ..... Cleveland, O. XVII
Maney, Thomas F. & Co ..... Boston, Mass. 212
Mann Bros ..... Chicago, Ill. 154
Manufacturers' Record Co ..... Baltimore, Md. 190
Marlin Fire Arms Co ..... New Haven, Conn. 100
Mason, Gooch & Hoge Co ..... Frankfort, Ky. 208
Mason Machine Works ..... Taunton, Mass. 84
Massillon Bridge Co ..... Massillon, O. 170
McElroy, Samuel ..... Brooklyn, N. Y. 216
McLain, Louis ..... Sanford, Fla. 216
McManus, P ..... West Philadelphia, Pa. 215
Mengis, M. C ..... New York, N. Y. 146
Mercer Rubber Co ..... Trenton, N. J. 108
Metcalf, Paul & Co ..... Pittsburgh, Pa. 168
Metropolitan Foundry and Iron Works ..... Louisville, Ky. 232
Michigan Car Co ..... Detroit, Mich. 28
Midvale Steel Co ..... Philadelphia, Pa. XXI
Millener, Joel H ..... Buffalo, N. Y. 154
Miller, McDonald & Co ..... Fremont, Neb. 208
Milmine, H. B. & Co ..... Toledo, O. 242
Minaham, D. F ..... Springfield, O. 210
Mississippi Glass Co ..... St. Louis, Mo. 114
Missouri Car and Foundry Co ..... St. Louis, Mo. 30
Mitchell & Rowland Lumber Co ..... Toledo, O. 104
Monarch Palace Car Co ..... New York, N. Y. 74
Montague & Co ..... Chattanooga, Tenn. 146
Morse, Williams & Co ..... Philadelphia, Pa. 6
Morton, Bliss & Co ..... New York, N. Y. *Opposite Inside Front Cover.*

COULD & EBERHARDT

97 to 111 N. J. R. R. Ave., near Market St. Station, Penna. R. R., Newark, N. J.



Patent SHAPERS.
OVER 1000 IN USE.
Sizes, 10" 15" 20" 25" 30"



EBERHARDT'S
Patent Drill Press.
Sizes, 24" 30" 36" 42" 46" 50"

Cleveland Wheel and Foundry Works,

MAHER & BRAYTON,

PROPRIETORS.

MANUFACTURERS OF

Car, Engine, Truck and Tender Wheels, Railroad, Rolling-Mill and Machinery Castings, and Street Railroad Wheels and Turnouts.

ALSO,

CHILLED-FACE RAILROAD FROGS.

Office, 20 Carter St.

Works: CORNER CARTER and COLLINS STS., CLEVELAND, OHIO.

POOR'S DIRECTORY OF RY. OFFICIALS—ALPHABETICAL LIST OF ADVERTISERS.

PAGE

Mosler, Bowen & Co.....New York, N. Y. XXXV
Motley, Thornton N.....New York, N. Y. 214
Murphy & Co.....New York, N. Y. 176

N

National Car and Locomotive Builder.....New York, N. Y. 180
National Car and Locomotive Builder "Supplement.".....New York, N. Y. 181
Neftel & Oothout.....New York, N. Y. 208
New Jersey Steel and Iron Co.....Trenton, N. J. 90
North Chicago Rolling Mill Co.....Chicago, Ill. VI
Northwestern Lumberman.....Chicago, Ill. 187
Nubian Iron Enamel Co.....Chicago, Ill. 166

O

Offutt & Co.....New York, N. Y. 208
Otis Iron and Steel Co.....Cleveland, O. 168

P

Parrott Varnish Co.....Bridgeport, Conn. 94
Passaic Rolling Mill Co.....Paterson, N. J. XXXIII
Paul, C. B.....Brooklyn, N. Y. 176
Penn Bridge Co.....Beaver Falls, Pa. 170
Penn Mutual Life Insurance Co.....Philadelphia, Pa. 110
Pennsylvania Bolt and Nut Co.....Lebanon, Pa. 162
Pennsylvania Steel Co.....Philadelphia, Pa. *Insert*, 129
Phenix Insurance Co.....New York, N. Y. I
Philadelphia Car Works (J. G. Brill Co.).....Philadelphia, Pa. XI
Phœnix Assurance Co.....New York, N. Y. I
Phœnix Iron Works.....Cleveland, O. 162
Phosphor Bronze Smelting Co.....Philadelphia, Pa. 18
Pioneer Brass Works.....Indianapolis, Ind. 96
Pittsburgh Bridge Co.....Pittsburgh, Pa. 160
Pittsburgh Forge and Iron Co.....Pittsburgh, Pa. 58
Place, George.....New York, N. Y. IX
Plume and Atwood Manufacturing Co.....Waterbury, Conn. XXIX
Pompton Steel and Iron Co.....Pompton, N. J. XXIII
Poor, H. V. & H. W.....New York, N. Y. 48 and 202
Poor & Greenough.....New York, N. Y. 50
Poor's "Manual of Railroads".....New York, N. Y. 8, 62, 195, 200 and 201
Pope, Thomas J. & Bro.....New York, N. Y. 112
Pratt & Whitney Co.....Hartford, Conn. 144
Price & McGavock.....Topeka, Kan. 210
Prichard, Henry S.....Philadelphia, Pa. 216
Pugh & Russell.....New York, N. Y. 234
Pullman's Palace Car Co.....Chicago, Ill. X

R

Railroad Contractors' Bureau.....St. Louis, Mo. 215
Railroad Gazette.....New York, N. Y. 179
Railway Lighting and Heating Co.....Philadelphia, Pa. 72
Railway News Co.....New York, N. Y. 188
Railway Telegraph and Telephone Co.....New York, N. Y. 186
Railway World Publishing Co.....Philadelphia, Pa. 184
Rand, McNally & Co.....Chicago, Ill. 46
Rathborne, Joseph & Co.....Chicago, Ill. 158
Rendle, Arthur E.....New York, N. Y. 116
Review Publishing Co.....New York, N. Y. 198
Rhode Island Locomotive Works.....Providence, R. I. 84
Roebling, John A. Sons' Co.....Trenton, N. J., and New York, N. Y. III
Rogers' Locomotive and Machine Works.....Paterson, N. J. 80
Ross & Sanford.....Jersey City, N. J. 208
Royal Fire Insurance Co.....New York, N. Y. 52
Rutherford & Barclay.....Philadelphia, Pa. 32
Ryan, James J.....Philadelphia, Pa. 215

S

Satterlee, Bostwick & Martin.....New York, N. Y. 52
Saulpaugh, T. & Co.....Minneapolis, Minn. 212

INVESTMENT SECURITIES.

POOR & GREENOUGH,

DEALERS IN

SECURITIES for INVESTORS,

TRUST ESTATES,

Savings Banks, Insurance Companies,

ETC., ETC.

The undersigned have all the information in reference to Railroad Companies acquired in the publication of

POOR'S MANUAL OF RAILROADS

for 20 years consecutively, during which period every Report made by the several Companies, as well as their financial condition, have been made the subject of careful investigation and scrutiny.

POOR & GREENOUGH,

Dealers in all Securities on the New York and London Stock Exchanges,

34 WALL STREET, NEW YORK.

UNIVERSITY OF CALIFORNIA

PAGE

Saxton, J. C. ..... New York, N. Y. 214
Schenectady Locomotive Works ..... Schenectady, N. Y. 82
Schneider, C. C. ..... New York, N. Y. 218
Scranton Steel Co. ..... Scranton, Pa. 138
Searles, William H. ..... Cleveland, O. 218
Sellers, Morris & Co. ..... Chicago, Ill. 2
Sellers, William & Co. ..... Philadelphia, Pa. VII
Shaw, Edward S. ..... Boston, Mass. 216
Shipman & Bohlen ..... Newark, N. J. 70
Shoenberger & Co. ..... Pittsburgh, Pa. 136
Snead & Bibb ..... Louisville, Ky. 232
Solid Steel Co. ..... Alliance, O. 144
Solomon's, B. L. Sons ..... New York, N. Y. 66
Sooysmith & Co. ..... New York, N. Y. 212
Southern Car Works ..... Knoxville, Tenn. 36
Standard Car Heating and Ventilating Co. ..... Pittsburgh, Pa. 56
Standard Gas Lamp Co. ..... Philadelphia, Pa. 6
Standard Paint Co. ..... New York, N. Y. V
Standard Steel Works (The) ..... Philadelphia, Pa. XXI
Standard Underground Cable Co. ..... Pittsburgh, Pa. 134
Stark Nut-Lock Co. ..... St. Louis, Mo. 112
Stephenson, John Co., Limited ..... New York, N. Y. 230
Sterling Steel Co. ..... Pittsburgh, Pa. 168
Stoner & McClure ..... Pittsburgh, Pa. 152
Street Railway Journal ..... New York, N. Y. 185
Stroud & Co. ..... New York, N. Y. III

T

Taunton Locomotive Manufacturing Co. ..... Taunton, Mass. 86
Tierney, Myles ..... New York, N. Y. 210
Tiffany Refrigerator Car Co. ..... Chicago, Ill. 36
Tradesman Publishing Co. ..... Chattanooga, Tenn. 189
Travellers' Life and Accident Insurance Co. ..... Hartford, Conn. 142

U

Uhle, John B. ..... Philadelphia, Pa. XXXV
Union Steel Co. ..... Chicago, Ill. 2
Union Switch and Signal Co ..... Pittsburgh, Pa. 126
United States Rolling Stock Co. ..... New York, N. Y. 20

V

Vanderbilt & Hopkins ..... New York, N. Y. 158
Von Rosenberg, Leo ..... New York, N. Y. 218
Vose, Richard ..... New York, N. Y. 298
Vulcanized Fibre Co. ..... New York, N. Y. 88

W

Wales Manufacturing Co. ..... Syracuse, N. Y. 232
Wallis Iron Works ..... Jersey City, N. J. 170
Way, Rhodes & Blankley ..... Philadelphia, Pa. 236
Weir Frog Co ..... Cincinnati, O. 176
Western Forge and Rolling Mills ..... St. Louis, Mo. 92
Westinghouse Air-Brake Co. ..... Pittsburgh, Pa. XLIII
Wetmore, A. B. ..... New York, N. Y. 158
Wharton, William, Jr. & Co. ..... Philadelphia, Pa. 234
Whidden, Hill & Co. ..... Boston, Mass. 210
White, E. D. & Co. ..... Brooklyn, N. Y. 176
White & Raeder ..... New York, N. Y. 216
Whitney, A. & Sons ..... Philadelphia, Pa. XXVII
Wickes Refrigerator Co. ..... Chicago, Ill. 172
Williamson & Cassedy ..... Philadelphia, Pa. 214
Wood, R. D. & Co. ..... Philadelphia, Pa. 22

Y

Young & Sons ..... Philadelphia, Pa. XI

The Standard Steel Works.

Locomotive and Car Wheel

TIRES

Manufactured from

OTIS STEEL.

OFFICE:

220 South Fourth Street,
PHILADELPHIA, PA.

REPRESENTATIVES:

J. H. BELCHER, Room 24 Astor House Offices, New York.

J. S. BREWER, 156 Lake St., Chicago.

ANDREW WARREN, 713 N. 2d St., St. Louis.

GEORGE KINSEY & Co., 123 Central Ave., Cincinnati.

HUBBERT & HUBBERT, Louisville.

OFFUTT & Co., New York City.

H. L. LEACH, Boston.

CLASSIFIED LIST OF ADVERTISERS.

PAGE

Accident Insurance Cos.

Fidelity & Casualty Co., New York City, *In. Bk. Cov.*
Travellers' Insurance Co., Hartford, Conn..... 142

Anti-Friction Metal.

Jordan, F., New York, N. Y..... 203

Air Brakes.

American Brake Co., St. Louis, Mo..... 76
Eames Vacuum Brake Co., Boston, Mass XLII
Westinghouse Air-Brake Co., Pittsburgh, Pa..XLIII

Air Compressors.

Ingersoll Rock Drill Co., New York City..... 282

Angle and Tee Iron.

Carnegie Bros. & Co. (Lim.), Pittsburgh, Pa.... 102
New Jersey Steel and Iron Co., Trenton, N. J.. 90
Passaic Rolling Mill Co., Paterson, N. J.....XXIII
Stroud & Co., New York City. III

Antimony.

Pope, T. J. & Bro., New York, N. Y..... 112

Anvils.

Chester Steel Castings Co., Philadelphia, Pa.... 18
Midvale Steel Co., Philadelphia, Pa.....XIX

Automatic Brakes.

American Brake Co., St. Louis, Mo..... .. 76
Eames Vacuum Brake Co., Boston, Mass XLII
Westinghouse Air-Brake Co., Pittsburgh, Pa.XLIII

Axles.

Alabama Car Works, Anniston, Ala..... ... 38
Bass Foundry and Machine Co.,Ft. Wayne, Ind. 180
Baugh Steam Forge Co., Detroit, Mich..... ... 118
Cambria Iron Co., Johnstown, Pa..... 4
Eastern Forge Co., Portland, Me 124
Excelsior Fdy. & Mach. Works, Birmingham Ala. 164
Harlan & Hollingsworth Co. Wilmington, Del.. 24
Hussey, Howe & Co., Pittsburg, Pa. *In. Front Cov.*
Michigan Car. Co., Detroit, Mich..... 28
Midvale Steel Co., Philadelphia, Pa.. XXI
Otis Iron and Steel Co., Cleveland, O..... 168
Pennsylvania Steel Co., Steelton, Pa. ...*Insert*, 129
Standard Steel Works, Philadelphia, Pa XIX
Whitney, A. & Sons, Philadelphia, Pa.....XXVII

Badges.

French, S. A., New York, N. Y.... 22
Horstmann Bros. & Co., Philadelphia, Pa.....XXV

Bankers.

Green & Bateman, New York, N. Y. *Opp. In. Ft. Cov.*
Hussey, Hoyt & Co., Cleveland, O... XXXV
Morton, Bliss & Co., New York, N. Y. *Opp. In. Ft. C.*
Poor & Greenough, New York, N. Y..... 50

Beams and Girders.

Carnegie Bros. & Co., Pittsburgh, Pa..... 102

PAGE

New Jersey Steel & Iron Co., Trenton, N. J... . 90
Passaic Rolling Mill Co., Paterson, N. J... XXXIII

Belting.

Mercer Rubber Co., Trenton, N. J. 108

Bismuth.

Pope, T. J. & Bro., New York, N. Y..... 112

Blasting Batteries.

Ingersoll Rock Drill Co., New York, N. Y.... . 282

Blasting Powder.

Ætna Powder Co., Chicago, Ill... 204
Atlantic Dynamite Co., New York, N. Y..... 205
Dixie Powder Co., Chattanooga, Tenn..... 164
Hecla Powder Co., New York, N. Y..... 204

Boiler Feeder.

Sellers, William & Co., Philadelphia, Pa..... VII

Boiler Plate.

Cleveland Rolling Mill Co., Cleveland, O..... 58
Hussey, Howe & Co., Pittsburgh, Pa. *In. Front Cov.*
Otis Iron and Steel Co., Cleveland, O..... 168
Shoenberger & Co., Pittsburgh, Pa.... 136
Stroud & Co., New York, N. Y. III

Boilers.

Bass Foundry and Machine Co., Ft. Wayne, Ind. 180

Boiler Tubes.

Allison Manufacturing Co., Philadelphia, Pa.... 26

Bolts.

Allison Manufacturing Co., Philadelphia, Pa.... 26
Drummond, M. J., New York, N. Y..... 214
Fuller Bros. & Co., New York, N. Y..... 22
Pennsylvania Bolt and Nut Co., Lebanon, Pa... 169
Pittsburgh Forge and Iron Co., Pittsburgh, Pa.. 58

Brake Pipe.

Mercer Rubber Co., Trenton, N. J..... 108

Brakes (Railroad.)

American Brake Co., St. Louis, Mo..... 76
Eames Vacuum Brake Co., Boston, Mass.....XLII
Westinghouse Air-Brake Co., Pittsburgh, Pa.XLIII

Brass (Sheet).

Plume & Atwood Mfg. Co., Waterbury, Conn.XXIX
Pope, T. J. & Bro., New York, N. Y..... 112

Brass Founders.

Phosphor Bronze Smelting Co., Philadelphia, Pa. 18
Pioneer Brass Works, Indianapolis, Ind..... 96
Sellers, Morris & Co., Chicago, Ill 2

Brass Seamless Tubing.

Bridgeport Brass Co., Bridgeport, Conn..... 96

POMPTON

STEEL AND IRON CO.,

Pompton, Passaic Co., N. J.

MANUFACTURERS OF BEST REFINED

CRUCIBLE CAST STEEL,

(Steel Works Established 1854,)

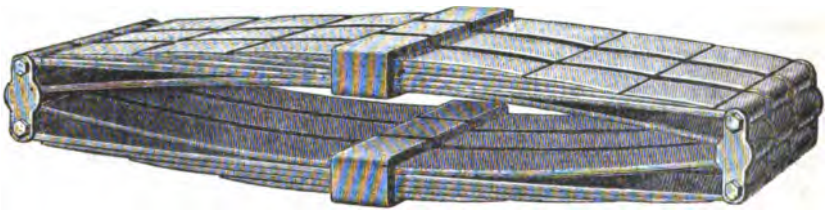
AND

Spiral Railway Car Springs,

Of all descriptions. (Spring Works Established 1877.)

SOLE MANUFACTURERS OF

Ludlum & Stevenson's Patent Elliptic Spring



This drawing represents the spring as it will stand under the empty car when correct weights are furnished us. The average load will deflect the spring so that its leaves will be parallel. We claim that the utmost limit of ease is reached by this construction. The inner leaves are scrolled the same as the main leaves of an ordinary Elliptic, but are not fastened to the end clips. Their only purpose is to insure vertical motion and security against side thrusts. This they do perfectly. They are no heavier than is necessary to effect this, and are not relied upon for carrying capacity. These springs are furnished with any number of sections, or to carry any weight desired.

W. E. LUDLUM, Sales Agent. JAMES LUDLUM, Prest.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

Bridge Builders.

Albany Bridge and Iron Works Albany, N. Y.. 166
Atlanta Bridge and Axle Co., Atlanta, Ga..... 176
Detroit Bridge and Iron Works. Detroit, Mich... 160
Hamilton, T. H., Toledo, O..... 212
Jones & Benner Co., Philadelphia, Pa..... 170
MacCormack, J., Albany, N. Y 166
Massillon Bridge Co., Massillon, O. 170
New Jersey Steel and Iron Co., Trenton, N. J.... 90
Passaic Rolling Mill Co., Paterson, N. J....XXXIII
Penn Bridge Co., Beaver Falls, Pa..... 170
Pittsburgh Bridge Co., Pittsburgh, Pa..... 160
Sooysmith & Co., New York, N.Y..... 212
Wallis Iron Works, Jersey City, N. J..... 170
Western Forge and Rolling Mills, St. Louis, Mo. 92

Bridge Piers.

Sooysmith & Co., New York, N. Y..... 212

Bridge Timber.

Mitchell & Rowland Lumber Co., Toledo, O... 104
Stoner & McClure, Pittsburgh, Pa..... 152

Brushes.

Bradley & Smith, New York, N. Y..... 10

Buttons.

French, S. A., New York, N. Y..... 22
Horstmann Bros. & Co., Philadelphia, Pa.....XXV

Cables.

Standard Underground Cable Co., N. Y. City.... 134

Car Bearings.

Chester Steel Castings Co., Philadelphia, Pa.... 18
Missouri Car and Foundry Co., St. Louis, Mo... 30
Phosphor Bronze Smelting Co., Phila., Pa..... 18
Pioneer Brass Works, Indianapolis, Ind..... 96
Sellers, Morris & Co., Chicago Ill..... 2

Car Brakes.

American Brake Co., St. Louis, Mo..... 76
Eames Vacuum Brake Co., Boston, Mass.....XLII
Westinghouse Air-Brake Co., Pittsburgh, Pa..XLIII

Car Brake Shoes.

Chester Steel Castings Co., Philadelphia, Pa.... 18
Ramapo Wheel and Foundry Co., Ramapo, N. Y..
Solid Steel Co., Alliance, O..... 144

Car Brasses.

Phosphor Bronze Smelting Co., Phila., Pa..... 18

Car Builders.

Alabama Car Works, Anniston, Ala.... 38
Allison Manufacturing Co., Philadelphia, Pa.... 26
Barney & Smith Mfg. Co., Philadelphia, Pa.....XV
Bradley Car Works, Worcester, Mass 40
Brill, J. G. Company, Philadelphia, Pa.....XI
Dickson M'f'g. Co., Scranton, Pa.
Erie Car Works, Erie, Pa..... 40
Excelsior Fdy. & Mach. Wks., Birmingham, Ala. 164
Harlan & Hollingsworth Co., Wilmington, Del.. 24
Haskel & Barker Car Co., Michigan City, Ind... 176
Jackson & Sharp Co., Wilmington, Del..... 16
Lebanon Manufacturing Co., Lebanon, Pa..... 128
Litchfield Car & Mach. Co., Litchfield, Ill...XXXIII
Michigan Car Co., Detroit, Mich 28
Missouri Car and Foundry Co., St. Louis, Mo.... 30
Monarch Palace Car Co., New York, N. Y..... 74
Pullman's Palace Car Co., Chicago, Ill..... X
Southern Car Works, Knoxville, Tenn..... 86
Stephenson Co., John (Lim.) (St't) N.Y..... 230
Tiffany Refrigerator Car Co., Chicago, Ill..... 36
U. S. Rolling Stock Co., New York, N.Y..... 20
Wickes Refrigerator Co., Chicago, Ill..... 172

PAGE

Car Curtains.

Solomon's Sons, B. L., New York, N. Y..... 66

Car Fixtures.

Greeley, E. S. & Co., New York, N. Y..... 34

Car Heaters.

Dreher & Co., New York, N. Y..... ... 228
Railway Lighting and Heating Co., Phila., Pa.. 72
Standard Car Heat. and Vent. Co., Pittsb'h, Pa.. 56

Car Lighting Apparatus.

Railway Lighting and Heating Co., Phila., Pa... 72

Car Machinery.

Fay, J. A. & Co , Cincinnati, O..... 78

Car Replacers.

Pennsylvania Steel Co., Philadelphia, Pa. *Insert*, 129

Car Seats.

Greeley, E. S. & Co., New York, N. Y..... 34

Car Springs.

Cambria Iron Co., Johnstown, Pa..... 4
Detroit Steel and Spring Works, Detroit, Mich.. 168
Harlan & Hollingsworth Co., Wilmington, Del.. 24
Mercer Rubber Co., Trenton, N. J..... 108
Pompton Steel and Iron Co., Pompton, N. J..XXIII
Vose, Richard, New York, N. Y..... 298

Car Trimmings.

Greeley, E. S. & Co., New York, N. Y..... 34

Cars, Street.

Brill, J. G. Co., Philadelphia, Pa.....XI
Brownell & Wright Car Co., St. Louis, Mo..... 238
Pugh & Russell, New York and Chicago..... 234

Car Ventilating Apparatus.

Standard Car Heat. & Vent. Co., Pittsburgh, Pa. 56

Car Washes.

Bradley & Smith, New York, N. Y..... 10

Car Wheel Boring Machines.

Bement, Miles & Co., Philadelphia, Pa..... 12
Sellers, William & Co., Philadelphia, Pa.....VII

Car Wheels.

Alabama Car Works, Anniston, Ala..... 38
Barney & Smith Manufacturing Co., Dayton, O..XV
Bass Fdy. and Mach. Works, Ft. Wayne, Ind... 130
Bass, J. H., Chicago, Ill... 132
Chester Steel Castings Co., Philadelphia, Pa.... 18
Detroit Car Wheel Co., Detroit, Mich..... 118
Dickson M'f'g. Co., Scranton, Pa.
Excelsior Fdy. and Mach. Wks., Birm'gham, Ala. 164
Harlan & Hollingsworth Co., Wilmington, Del.. 24
Knoxville Car Wheel Co., Knoxville, Tenn.. ... 86
Litchfield Car and Mach. Co., Litchfield, Ill.XXXIII
Maher & Brayton, Cleveland, O.....XVII
Mengis, M. G., New York, N. Y..... 146
Michigan Car Co., Detroit, Mich..... 28
Missouri Car and Foundry Co., St. Louis, Mo... 30
Stroud & Co., New York, N. Y..... III
Whitney, A. & Sons, Philadelphia, Pa.....XXIII

Cast Steel.

Detroit Steel and Spring Works, Detroit, Mich. 168
Hussey, Howe & Co., Pittsburgh, Pa., *In. Ft. Cov.*
Midvale Steel Co., Philadelphia, Pa.....XIX
Otis Iron and Steel Co., Cleveland, O..... 168

F. W. DEVOE & CO.,

Cor. Fulton and William Sts., *NEW YORK.*

(ESTABLISHED 1852.)

MANUFACTURERS OF

STANDARD COACH COLORS,
STANDARD VARNISHES,
STANDARD BRUSHES,

As Used by all the Principal Railroads of the United States.

ARTISTS' MATERIALS. MATHEMTAICAL INSTRUMENTS.
ENGINEERING GOODS.

COFFIN, DEVOE & CO., 176 Randolph St., Chicago.

ESTABLILHED 1815.

HORSTMANN BROTHERS & CO.,

Fifth and Cherry Sts., Philadelphia,

MANUFACTURERS OF

Railroad Uniform Supplies of every Description.

CAPS, BADGES,
COLLAR EMBROIDERIES, LACES,
BUTTONS, ETC., ETC., ETC.

BUNTING FOR SIGNALS.

CONDUCTORS' PUNCHES.

SEND FOR CATALOGUE.

HORSTMANN BROS. & CO., Philadelphia.

PAGE

Solid Steel Co., Alliance, O. 144
Standard Steel Works, Philadelphia, Pa.....XIX

CIRCULAR SAWS.

Fay, J. A. & Co., Cincinnati, O..... 78
Place, George, Machinery Co., New York, N.Y.. 138

CIVIL ENGINEERS.

Bouscaren, G., Cincinnati, O..... 218
Coolidge, W. G. & Co., Chicago, Ill..... 212
Cooper, Theodore, New York, N. Y..... 218
Dickenson, P. P., New York, N. Y..... 212
Detroit Bridge and Iron Works, Detroit, Mich.. 160
Johnston R. R. Frog and Switch Co., Phila., Pa. 261
Knight & Bontecou, Kansas City, Mo..... 216
Lucius, Albert, New York, N. Y..... 218
McElroy, Samuel, Brooklyn, N. Y..... 216
McLain, Louis, Sanford, Fla..... 216
Neftel & Oothout, New York, N. Y..... 208
Prichard, Henry S., Philadelphia, Pa..... 216
Schneider, C. C., New York, N. Y..... 218
Searles, William H., Cleveland, O 218
Shaw, Edward S., Boston, Mass 216
Sooysmith & Co., New York, N. Y..... 212
Von Rosenberg, Leo, New York, N. Y..... 218
Wharton, William, Jr. & Co. (Lim.), Phila., Pa.. 234
White & Reader, New York and Chicago..... 216

COAL.

Colorado Coal and Iron Co., Denver, Col..... 54

COLORS.

Chilton Manuf. Co., N. Y. and Boston..... 124
Devoe, F. W. & Co., New York, N. Y.....XXV

COMMISSION MERCHANTS.

Stroud & Co., New York, N. Y..... III

CONDUCTORS' BUTTONS.

French, S. A., New York, N. Y..... 22
Horstmann Bros. & Co., Philadelphia, Pa.....XXV

CONTRACTORS.

Albany Bridge and Iron Works, Albany, N. Y... 166
Conway, M. W., Brooklyn, N. Y..... 208
Coolidge, W. G. & Co., Chicago, Ill..... 212
Craig, William P., New York, N. Y..... 210
Delano, F. M., New York, N. Y..... 208
Dickinson, P. P., New York, N. Y..... .. 212
Eason, John, Detroit, Mich..... 210
Gaynor, E. J., Pottsville, Pa... 215
Haines Bros., New York, N. Y..... 240
Hamilton, T. H., Toledo, O. 212
Johnston R.R. Frog and Switch Co., Phila., Pa. 261
MacCormack, J., Albany, N. Y..... 166
Maney, Thomas F. & Co., Boston, Mass..... 212
Mason, Gooch & Hoge Co., Frankfort, Ky..... 208
McLain, Louis, Sanford, Fla..... 216
McManus, P., West Philadelphia, Pa..... 215
Mengis, M. C., New York, N. Y..... 146
Miller, McDonald & Co., Fremont, Neb..... 208
Minahan, D. F., Springfield, O 210
Neftel & Oothout, New York, N. Y..... 208
Price & McGavock, Topeka, Kan..... 210
Railroad Contractors' Bureau, St. Louis, Mo.... 215
Richardson, Philip, New York, N. Y..... 208
Ross & Sanford, Jersey City, N. J..... 208
Ryan, James J., Philadelphia, Pa..... 215
Saulpaugh, T. & Co., Minneapolis, Minn..... 212
Sooysmith & Co., New York, N. Y... 212
Tierney, Myles, New York, N. Y..... 210
Way, Rhodes & Blankley, Philadelphia, Pa..... 236
Wharton, William, Jr. & Co. (Lim.), Phila., Pa.. 234
Whidden, Hill & Co., Boston, Mass..... 210

CONTRACTORS' MACHINERY.

Ingersoll Rock Drill Co., New York, N. Y..... 282

CONTRACTORS' SUPPLIES.

Barrows & Co.H., New York, N. Y..... 208
Carey, George, New York, N. Y..... 214
Conway, M. W., Brooklyn, N. Y..... 208

PAGE

Craig, William P., New York, N. Y..... 210
Delafield, Tallmadge, New York, N. Y..... 208
Drummond, M. J., New York, N. Y. 214
Humphreys & Sayce, New York, N. Y... 208
Ingersoll Rock Drill Co., New York, N. Y..... 282
Jordan, F., New York, N. Y..... .. 208
Laflin & Rand Powder Co., New York, N. Y.... 214
Leavitt, C. W. & Co., New York, N. Y 208
Motley, Thornton N , New York, N. Y..... 214
Offutt & Co., New York, N. Y..... 208
Saxton, J. C., New York, N. Y..... 214
Williamson & Cassedy, Philadelphia, Pa..... 214

COPPER GOODS.

Pope, T. J. & Bro., New York, N. Y..... 112

COPPER INGOT.

Pope, T. J. & Bro., New York, N. Y..... 112

COPPER SEAMLESS TUBING.

Bridgeport Brass Co., Bridgeport, Conn..... 96

COPPER SHEET.

Pope, T. J. & Bro., New York, N. Y..... 112

CRANES.

Phœnix Iron Works, Cleveland, O..... 162

CRANK PIN JACKS.

Dudgeon, Richard, New York, N. Y.... XXXI

CREOSOTING.

Carolina Oil & Creosote Co., Wilmington, N. C. 150
Eppinger & Russell, Brooklyn, N. Y..... 14
Vanderbilt & Hopkins, New York, N. Y 158

CROSSINGS, RAILROAD.

Chester Steel Castings Co., Philadelphia, Pa ... 18
Johnston R.R. Frog and Switch Co., Phila., Pa.. 261
Midvale Steel Co., Steelton, Pa..... XIX
Pennsylvania Steel Co., Philadelphia, Pa..*Insert*, 129
Union Switch and Signal Co., Pittsburgh, Pa... 126
Way, Rhodes & Blankley, Philadelphia, Pa..... 236
Wier Frog Co., Cincinnati, O..... 176

CROSS TIES (STEEL).

Johnson Steel Street Rail Co., Johnstown, Pa.....*Opposite Inside Back Cover.*

CULVERTS.

Wood, R. D. & Co., Philadelphia, Pa..... 22

CULVERT PIPE.

Drummond, M. J., New York, N. Y..... 214
Montague & Co., Chattanooga, Tenn... 146

CURTAINS.

Solomon's Sons, B. L., New York, N. Y..... 66

DERRICKS.

Phœnix Iron Works, Cleveland, O..... 162

DRAW BARS.

Baugh Steam Forge Co., Detroit, Mich..... 118

DRILLS.

Bement, Miles & Co., Philadelphia, Pa..... 12
Place, George, New York.....IX and 138
Sellers, William & Co., Philadelphia, Pa.....VII

DYNAMITE.

Ætna Powder Co., Chicago, Ill..... 204
Atlantic Dynamite Co., New York, N. Y..... 206
Dixie Powder Co., Chattanooga, Tenn..... 164
Hecla Powder Co., New York, N. Y..... 204

ESTABLISHED 1847.

JOHN R. WHITNEY. *JAMES S. WHITNEY.*

A. WHITNEY & SONS,

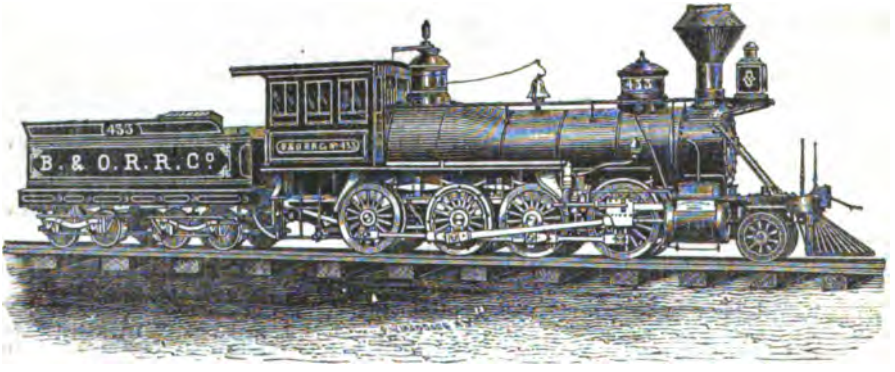
CAR WHEEL WORKS

Callowhill and 16th Sts.,

PHILADELPHIA, PA.

Cast Chilled and Steel-Tired Wheels, Axles and Car Boxes

FURNISHED FOR EVERY KIND OF SERVICE, INCLUDING STREET AND MINE RAILWAYS.



THE

Cooke Locomotive & Machine Company,

PATERSON, N. J.

JOHN S. COOKE, Prest. and Gen'l Manager.

WM. BERDAN, Secretary and Treasurer.

FRED. W. COOKE, Vice-President.

NEW YORK OFFICE, 45 BROADWAY. H. A. ALLEN, Agent.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

ELECTRICAL INSTRUMENTS.
Greeley, E. S. & Co., New York, N. Y.. 34

ELEVATORS.
Morse, Williams & Co., Philadelphia and N. Y.. 6

ENGINEERS' INSTRUMENTS.
Young & Sons, Philadelphia, Pa..... XI

ENGRAVERS.
American Bank Note Co., New York, N. Y..... IV
Franklin Bank Note Co., New York, N. Y..... II

FARE-BOXES (STREET CAR).
Wales Mfg. Co., Syracuse, N. Y..... 232

FIBRE SCREW NUTS.
Vulcanized Fibre Co., Wilmington, Del..... 88

FIDELITY INS. AND GUARANTY BONDS.
Fidelity and Casualty Co., New York, *In. Bk. Cov.*

FILES.
Paul, Charles B., Brooklyn, N. Y..... 176

FIRE-ARMS.
Marlin Fire-Arms Co., New Haven, Conn..... 100

FIREBOX STEEL.
Shoenberger & Co., Pittsburgh, Pa..... 136

FIRE BRICK.
Montague & Co., Chattanooga, Tenn... 146
White, E. D. & Co., Brooklyn, N. Y..... 176

FIRE EXTINGUISHERS.
Lewis Hand Fire Extinguisher Co., Chicago, Ill. 98

FIRE HYDRANTS.
Ludlow Valve Manufacturing Co., Troy, N. Y... 20
Wood, R. D. & Co., Philadelphia, Pa 22

FORGINGS, RAILROAD.
Bass Foundry and Machine Co., Ft. Wayne, Ind. 130
Baugh Steam Forge Co., Detroit, Mich.... 118
Cambria Iron Co., Johnstown, Pa..... 4
Detroit Bridge and Iron Co., Detroit, Mich..... 160
Eastern Forge Co., Portland, Me 124
Excelsior Fdy. and Mach. Co., Birmingham, Ala. 164
Hussey, Howe & Co., Pittsburgh, Pa..*In. Front Cov.*
Michigan Car Co., Detroit, Mich 26
Midvale Steel Co., Philadelphia, Pa.....XXI
Pennsylvania Steel Co., Steelton, Pa.. ...*Insert*, 129
Pittsburgh Forge and Iron Co., Pittsburgh, Pa.. 58
Scranton Steel Co., Scranton, Pa.... 318
Standard Steel Works, Philadelphia, Pa.....XIX

FROGS, RAILROAD.
Chester Steel Castings Co., Philadelphia, Pa ... 18
Johnston R.R. Frog and Switch Co., Phila., Pa.. 261
Maher & Brayton, Cleveland, O XVII
Midvale Steel Co., Philadelphia, Pa..... XXI
Pennsylvania Steel Co., Steelton, Pa.....*Insert*, 129
Union Switch and Signal Co., Pittsburgh, Pa.... 126
Way, Rhodes & Blankley, Philadelphia, Pa ... 236
Wier Frog Co., Cincinnati, O..... 176

GAS LAMPS.
Standard Gas Lamp Co., Philadelphia, Pa..... 6

GASOLINE.
Atlantic Refining Co., Philadelphia, Pa. 104

PAGE

GELATINIZED FIBRE.
Vulcanized Fibre Co., Wilmington, Del..... 88

GLASS MANUFACTURERS.
Hartwell, H. Edgar Co., New York, N. Y..... 122
Heidt, Louis & Bros., Brooklyn, N. Y..... 114
Mississippi Glass Co., St. Louis, Mo..... 114
Rendle, Arthur E., New York and Philadelphia. 116

GOVERNMENT SECURITIES.
Morton, Bliss & Co., New York, N. Y., *Opp. In. Ft. C.*
Poor & Greenough, New York, N. Y..... 50
Green & Bateman, New York, N. Y. *Opp. In. Ft. C.*

GRINDSTONES.
Cleveland Stone Co., Cleveland, O..... 106

HAMMERS.
Pratt & Whitney Co., Hartford, Conn..... 144

HEATING (CAR).
Railway Lighting and Heating Co., Phila., Pa... 72
Standard Car Heat. and Vent. Co., Pittsb'h, Pa. 56

HOISTING ENGINES.
Morse, Williams & Co., Philadelphia and N. Y.. 6
Saxton, J. C., New York, N. Y..... 214

HOMOGENEOUS BOILER PLATE.
Hussey, Howe & Co., Pittsburg, Pa..*In. Front Cov.*

HOSE.
Mercer Rubber Co., Trenton, N. J..... 168

HYDRAULIC ELEVATORS.
Morse, Williams & Co., Phila. and New York... 6

HYDRAULIC JACKS.
Dudgeon, Richard, New York, N. Y..... .. XXXI

HYDRAULIC PUNCHES.
Dudgeon, Richard, New York, N. Y. XXXI

INJECTORS.
Sellers, William & Co., Philadelphia, Pa.....VII

INSURANCE COMPANIES.
Fidelity and Casualty Co., New York, N. Y. ... 142
Lancashire Insurance Co., New York, N. Y. 110
Phenix Insurance Co., New York City..... I
Penn Mutual Life Ins. Co., Philadelphia, Pa.... 110
Phœnix Assurance Co., New York City..... I
Royal Insurance Co., New York, N. Y..... 52
Satterlee, Bostwick & Martin, New York, N. Y. 53
Travellers' Insurance Co., Hartford, Conn... ... 143

INTERLOCKING SWITCHES.
Pennsylvania Steel Co., Philadelphia, Pa..*Insert*, 129
Union Switch and Signal Co., Pittsburgh, Pa... 126

IRON, BAR.
Baugh Iron Forge Co., Detroit, Mich....., 118
Cambria Iron Co., Philadelphia, Pa..... 4
Colorado Coal and Iron Co., Denver, Col..... 54
North Chicago Rolling Mill Co., Chicago, Ill..... VI
Passaic Rolling Mill Co., Paterson, N. J XXIII
Pennsylvania Bolt and Nut Co., Lebanon, Pa.... 162
Stroud & Co., New York, N. Y..... III

IRON ENAMEL.
Nubian Iron Enamel Co., Chicago, Ill..... .. 166

THE

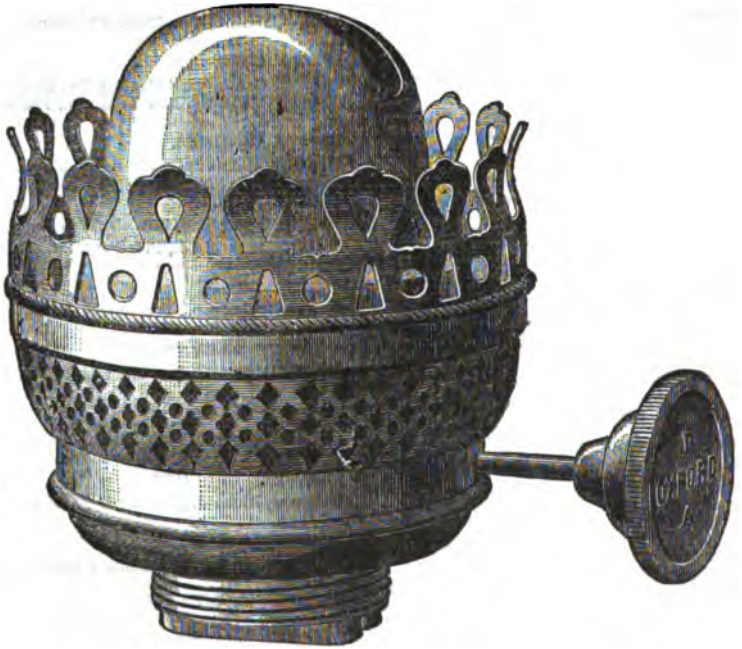
PLUME & ATWOOD MFG. CO.,

Manufacturers of

BRASS AND GERMAN SILVER

In Sheets, Rolls, Wire and Rods.

Copper and Brass Rivets and Burs, Furniture Handles and Mountings, Brass Butt Hinges, Etc.



THE LARGEST MANUFACTORY OF

KEROSENE LAMP BURNERS

In America.

Office and Factories, ... WATERBURY, CONN.
Wire and Rolling Mills, ... THOMASTON, "

STORES:

18 Murray Street, New York. 71 Pearl Street, Boston.
115 Lake Street, Chicago.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

IRON ORE.

Collins, H. E. & Co., Pittsburgh, Pa 68

IRON ORE PAINT.

Cleveland Iron Ore Paint Co., Cleveland, O..... 60

IRON, PIG.

Collins, H. E. & Co., Pittsburgh, Pa..... 68
North Chicago Rolling Mill Co., Chicago, Ill VI
Pope, T. J. & Bro., New York, N. Y..... 112
Stroud & Co., New York, N. Y..... III
Union Steel Co., Chicago, Ill..... 2

IRON PIPE AND FITTINGS.

Allison Manufacturing Co., Philadelphia, Pa... 26

IRON ROOFING.

Garry Iron Roofing Co., Cleveland, O..... 60

IRON, SHEET.

Cleveland Rolling Mill Co., Cleveland, O..... 58
Stroud & Co., New York, N. Y..... III

JAPANS.

Chilton Manuf. Co., N. Y. and Boston..... 124
Devoe, F. W. & Co., New York, N. Y.....XXV
Murphy & Co., N. Y., Chic., Cleve. & St. Louis.. 176

JOURNAL BEARINGS.

Phosphor Bronze Smelting Co., Philadelphia, Pa. 18

LAMP-POSTS, BRACKETS AND CLUSTERS.

Standard Gas Lamp Co., Philadelphia and N. Y. 6

LATHES.

Bement, Miles & Co., Philadelphia, Pa.... 12
Pratt & Whitney Co., Hartford, Conn 144
Sellers, William & Co., Philadelphia, Pa.....VII

LAWYERS.

Uhle, John Bethell, Philadelphia, Pa XXXV

LEAD (SHEET AND PIPE).

Pope, T. J. & Bro., New York, N. Y..... 112

LETTERS OF CREDIT.

Morton, Bliss & Co., New York, N.Y. *Opp. In. Ft. C.*

LEVELLING INSTRUMENTS.

Young & Sons, Philadelphia, Pa..... XI

LOCK NUTS.

Vulcanized Fibre Co., Wilmington, Del..... 86

LOCOMOTIVES.

Baldwin Locomotive Works, Philadelphia, Pa...XIII
Boynton, George A., New York, N. Y..... 54
Dickson M'f'g. Co., Scranton, Pa.
Hinkley Locomotive Works, Boston, Mass... .. IX
Mason Machine Works, Taunton, Mass. 84
Rhode Island Loco. Works, Providence, R. I ... 84
Rogers Loco. and Machine Works, New York... 80
Schenectady Loco. Works, Schenectady, N. Y .. 82
Taunton Locomotive Mfg. Co., Taunton, Mass... 86
U. S. Rolling Stock Co., New York, N. Y..... 20

LOCOMOTIVE DRIVER BRAKE.

American Brake Co., St. Louis, Mo..... 76
Eames Vacuum Brake Co., Boston, Mass.... ..XLII
Westinghouse Air-Brake Co., Pittsburgh, Pa..XLIII

LOCOMOTIVE SPRINGS.

Detroit Steel and Spring Works, Detroit, Mich.. 168

PAGE

LOCOMOTIVE TIRES.

Midvale Steel Co , Philadelphia, Pa..... XIX
Standard Steel Works, Philadelphia, Pa.....XIX

LUBRICATING OILS.

Atlantic Refining Co., Philadelphia, Pa..... 106
Dreher & Co., New York, N. Y..... 228

LUMBER.

Albro Co., E. D., Cincinnati, O..... 148
Atlanta Lumber Co., Atlanta, Ga..... 164
Burton Lumber Co., Baton Rouge, La..... 64
Bushnell, A., Kansas City, Mo..... 156
Dannat & Pell, New York, N. Y..... 156
Delafield, Tallmadge, New York, N. Y..... 208
Desha Lumber and Planting Co., Boston, Mass. 64
Dodge, Meigs & Co., New York, N. Y..... 158
Fremont & Ryan, Atlanta, Ga..... 152
Eppinger & Russell, New York, N. Y..... 14
Graham, John R., Jr., New York, N. Y..... 156
Hunter, Tillotson & Co., Muskegon, Mich..... 156
Mann Bros., Chicago, Ill.... 154
Millener, Joel H., Buffalo, N. Y 154
Mitchell & Rowland Lumber Co., Toledo, O.... 104
Rathborne, Jos. & Co., Chicago, Ill. 158
Stoner & McClure, Pittsburgh, Pa..... 152
Vanderbilt & Hopkins, New York, N. Y.... 158
Wetmore, A. B., New York, N. Y 158

MACHINERY.

Pratt & Whitney Co., Hartford, Conn..... 144
Excelsior Fdy. and Mach. Wks., Birmingham, Ala 164

MACHINISTS' TOOLS.

Bass Fdy. and Mach. Co., Ft. Wayne, Ind..... 130
Bement, Miles & Co., Philadelphia, Pa..... 12
Gould, E. & Eberhardt, Newark, N. J.....XVII
Place, George, New York, N. Y.....IX and 138
Pratt & Whitney Co., Hartford, Conn..... .. 144
Sellers, William & Co., Philadelphia, Pa.....VII

MAGAZINES, JOURNALS, ETC.

Age of Steel, St. Louis, Mo..... 191
Am. Jour. of Ry. Appliances, N. Y. and Chicago. 185
Am. Manfr. and Iron World, Pitt-burgh, Pa 188
Coal Trade Journal, New York, N. Y..... 186
Eng. News Pub. Co., New York, N. Y.....182 & 191
Financier, New York, N. Y..... 194
Indicator Publishing Co., New York, N. Y..... 192
Manufacturers' Record Co., Baltimore, Md..... 190
Nat. Car and Loco. Builder, New York, N. Y.... 180
Nat. Car and Loco. Builder Sup., New York, N.Y 181
Northwestern Lumberman, Chicago, Ill..... 187
Railroad Gazette, New York, N. Y..... 179
Railway News Co., New York, N. Y..... 189
Railway World Pub. Co., Philadelphia, Pa..... 184
Review Publishing Co., New York, N. Y..... 186
Street Railway Journal, N. Y. and Chicago..... 185
Tradesman Publishing Co., Chattanooga, Tenn.. 190

MAPS (RAILROAD).

Rand, McNally & Co., Chicago, Ill..... 46

METALLIC CROSS TIES.

Johnson Steel Street Rail Co, Johnstown, Pa..... ..*Opposite Inside Back Cover.*

METALLIC PAINT.

Rutherford & Barclay, Philadelphia, Pa..... 32

METALS.

Jordan, F., New York, N. Y..... 208
Pope, T. J. and Bro., New York, N. Y..... 112

MINING MACHINERY.

Dickson M'f'g. Co., Scranton, Pa. *Opp. In. Ft. Co.*
Ingersoll Rock Drill Co., New York, N. Y..... 222

RICHARD DUDGEON,

Nos. 24 and 26 COLUMBIA STREET, NEW YORK,

THE MAKER AND PATENTEE OF

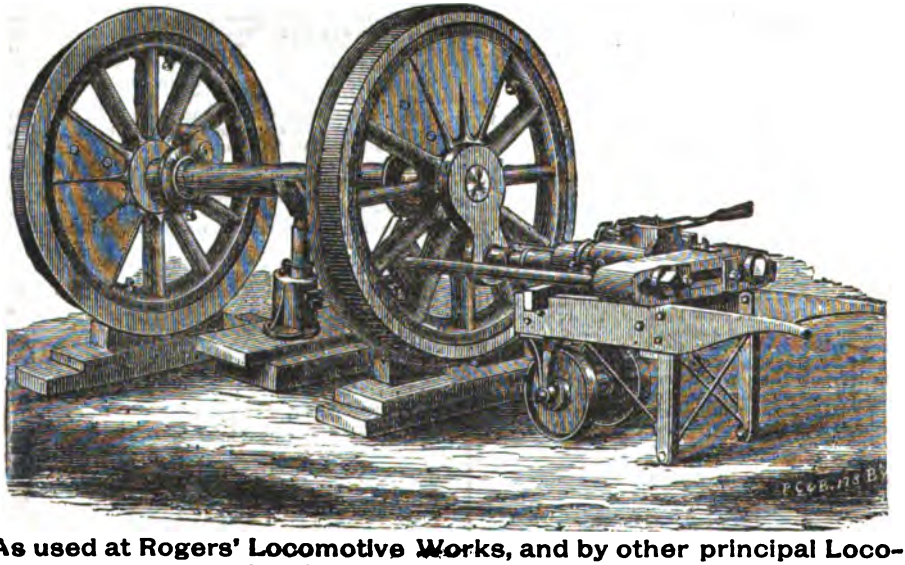
1885 IMPROVED 1885

HYDRAULIC

JACKS and PUNCHES.

Roller Tube Expanders and Direct-Acting Steam Hammers.

R. DUDGEON'S PATENT CRANK PIN JACK,



As used at Rogers' Locomotive Works, and by other principal Locomotive Builders and R.R. Companies.

Communications by letter will receive prompt attention.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

MINING SECURITIES.

Hussey, Hoyt & Co., Chicago, Ill.....XXXV

MOSAIC GLASS.

Hartwell, H. Edgar Co., New York, N. Y..... 122
Heidt, Louis & Bros., Brooklyn, N. Y..... 114

NAILS.

Colorado Coal and Iron Co., Denver, Col..... 54
Fuller Bros. & Co., New York, N. Y 32
North Chicago Rolling Mill Co., Chicago, Ill..... VI

NUT LOCKS.

Metcalf, Paul & Co., Pittsburgh, Pa..... 168
Vulcanized Fibre Co., Wilmington, Del..... 88
Stark Nut Lock Co., New York and St. Louis... 112

NUTS.

Allison Manufacturing Co., Philadelphia, Pa.... 26
Drummond, M. J., New York, N. Y..... 214
Fuller Bros. & Co., New York, N. Y..... 32
Passaic Rolling Mill Co., Paterson, N. J.....XXXIII
Pennsylvania Bolt and Nut Co., Lebanon, Pa.... 168

OIL BOX COVERS.

Vulcanized Fibre Co., Wilmington, Del..... 88

OILS.

Atlantic Refining Co., Philadelphia, Pa..... 166
Carolina Oil and Creosote Co., Wilmington, Del. 150
Dreher & Co., New York, N. Y..... 228

OLD RAILS, SCRAP, ETC.

Boynton, George A., New York, N. Y..... 54
Stroud & Co., New York, N. Y III

OMNIBUSES.

Stephenson Co., John (Lim.), New York, N. Y.. 230

OPALESCENT GLASS.

Heidt, Louis & Bros., Brooklyn, N. Y..... 114

PACKING.

Mercer Rubber Co., Trenton, N. J..... 108

PAINTS.

Chilton Manuf. Co., N. Y. and Boston..... 124
Cleveland Iron Ore Paint Co., Cleveland, O..... 60
Devoe, F. W. & Co., New York, N. Y.....XXV
Rutherford & Barclay, Philadelphia, Pa..... 22
Standard Paint Co., New York, N. Y..... V

PAINT AND VARNISH BRUSHES.

Chilton Manuf. Co., N. Y. and Boston..... 124
Devoe, F. W. & Co., New York, N. Y.....XXV

PARQUETRY FLOORS.

Boughton, J. W., Philadelphia, Pa..... 120

PENS.

Esterbrook Steel Pen Co., New York, N. Y..... 22

PHOSPHOR BRONZE.

Phosphor Bronze Smelting Co., Philadelphia, Pa. 18

PIPE (CAST IRON).

Drummond, M. J., New York, N. Y..... 214
Wood, R. D. & Co., Philadelphia, Pa..... 22

PISTONS.

Solid Steel Co., Alliance, O..... 144

PISTON RODS.

Offutt & Co., New York, N. Y..... 208

PAGE

PLANERS (IRON).

Bement, Miles & Co., Philadelphia, Pa..... 12
Sellers, William & Co., Philadelphia, Pa..... VII

PLANERS (WOOD).

Bement, Miles & Co., Philadelphia, Pa..... 12
Fay, J. A. & Co., Cincinnati, O..... 78
Pratt & Whitney Co., Hartford, Conn..... 144

PLUSH.

Solomon's Sons, B. L., New York, N. Y..... 66

POWDER (BLASTING).

Ætna Powder Co., Chicago, Ill..... 204
Atlantic Dynamite Co., New York, N. Y..... 205
Dixie Powder Co., Chattanooga, Tenn..... 164
Hecla Powder Co., New York, N. Y..... 204
Laflin & Rand Powder Co., New York, N. Y.... 214

POWER HAMMERS.

Bement, Miles & Co., Philadelphia, Pa 12
Sellers, William & Co., Philadelphia, Pa..... VII

POWER PUNCHES AND SHEARS.

Sellers, William & Co., Philadelphia, Pa..... VII

PRINTERS.

American Bank Note Co., New York, N. Y..... IV
Franklin Bank Note Co., New York, N. Y..... II

QUARRYING MACHINERY.

Ingersoll Rock Drill Co., New York, N. Y. 222

RAIL FASTENINGS.

Cleveland Rolling Mill Co., Cleveland, O..... 58
Colorado Coal and Iron Co., Denver, Col..... 54
Delafield, Tallmadge, New York, N. Y..... 208
Jordan, F., New York, N. Y..... 206
Mengis, M. C., New York, N. Y..... 146
North Chicago Rolling Mill Co., Chicago, Ill.... VI
Sellers, Morris & Co., Chicago, Ill..... 2
Stark Nut Lock Co., New York and St. Louis... 112
Stroud & Co., New York, N. Y..... III
Vulcanized Fibre Co., Wilmington, Del..... 88

RAILS, IRON.

Cambria Iron Co., Philadelphia, Pa..... 4
Carnegie Bros. & Co. (Lim.), Pittsburgh, Pa..... 102
Cleveland Rolling Mill Co., Cleveland, O..... 58
Mengis, M. C., New York, N. Y..... 146
North Chicago Rolling Mill Co., Chicago, Ill.... VI
Stroud & Co., Agents, New York, N. Y..... III

RAILS, STEEL.

Boynton, George A., New York, N. Y..... 54
Cambria Iron Works, Philadelphia, Pa..... 4
Carnegie Bros. & Co. (Lim.), Pittsburgh, Pa... 102
Cleveland Rolling Mill Co., Cleveland, O..... 58
Collins, H. E. & Co., Pittsburgh, Pa..... 68
Colorado Coal and Iron Co., Denver, Col..... 54
Fuller Bros. & Co., New York, N. Y..... 32
Humphreys & Sayce, New York, N. Y..... 208
Joliet Steel Co., Joliet, Ill..... 92
Jordan, F., New York, N. Y..... 206
Leavitt, C. W. & Co., New York, N. Y..... 208
Mengis, M. C., New York, N. Y..... 146
North Chicago Rolling Mill Co., Chicago, Ill.... VI
Pennsylvania Steel Co., Steelton, Pa.....*Insert*, 129
Scranton Steel Co., Scranton, Pa..... 138
Stroud & Co., Agents, New York, N. Y..... III
Union Steel Co., Chicago, Ill..... 2

RAILS (STREET).

Pugh & Russell, New York and Chicago..... 234
Way, Rhodes & Blankley, Philadelphia, Pa..... 236

PASSAIC ROLLING MILL CO.,

PATERSON, N. J.

MANUFACTURERS,
CONTRACTORS,
ENGINEERS.

IRON AND STEEL.

Bridges, Roofs and Turn-tables Constructed and Erected. Plans and Estimates Furnished at Short Notice. Solid Rolled Beams, Channels, Angles, Tees and Merchant Bars Made and in Stock.

Lithogrvphs of Sections and Details Furnished on Application.

NEW YORK OFFICE:

No. 45 Broadway.

WATTS COOKE, Pres't. W. O. FAYERWEATHER, Treas. F. A. LIBBS, Eng.

Litchfield Car and Machine Company,

LITCHFIELD, ILLINOIS,

Manufacturers of all kinds of Passenger and Freight Equipment, both Wide and Narrow Gauge.

CAR WHEELS A SPECIALTY IN THE MACHINERY DEPARTMENT.

ESPECIAL ATTENTION IS GIVEN TO FURNISHING

Hoisting Engines, Pit Cars, Dumps, etc., for Coal Mines,

AS WELL AS BUILDING

Stationary Engines and Boilers, and General Brass and Sheet-Iron Work.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

RAILROAD CASTINGS.

Bass Foundry and Machine Co., Ft. Wayne, Ind. 120
Bass, J. H., Chicago, Ill. 132
Chester Steel Castings Co., Philadelphia, Pa. 16
Detroit Car Wheel Co., Detroit, Mich. 116
Michigan Car Co., Detroit, Mich. 28
Missouri Car and Foundry Co., St. Louis, Mo. 30
Pioneer Brass Works, Indianapolis, Ind. 96
Snead & Bibb, Louisville, Ky. 232

RAILROAD INSURANCE.

Phœnix Assurance Co., New York, N. Y. I
Royal Insurance Co., New York, N. Y. 52
Satterlee, Bostwick & Martin, New York, N. Y. 52

RAILROAD MAPS.

Rand, McNally & Co., Chicago, Ill. 46

RAILROAD SECURITIES.

Green & Bateman, New York, N. Y. *Opp. In. Ft. C.*
Morton, Bliss & Co., New York, N. Y. *Opp. In. Ft. C.*
Poor & Greenough, New York, N. Y. 50

RAILROAD SUPPLIES.

Allison Manufacturing Co., Philadelphia, Pa. 26
Chester Steel Castings Co., Philadelphia, Pa. 16
Delafield, Tallmadge, New York, N. Y. 208
Drummond, M. J., New York, N. Y. 214
Greeley, E. S. & Co., New York, N. Y. 34
Green, Tweed & Co., New York, N. Y. XXXV
Jordan, F., New York, N. Y. 208
Mercer Rubber Co., Trenton, N. J. 108
Motley, Thornton N., New York, N. Y. 214
Place, George, New York, N. Y. IX and 138
Pope, T. J. & Bro., New York, N. Y. 112
Stroud & Co., New York, N. Y. III
Williamson & Cassedy, Philadelphia, Pa. 214

RAILWAY SUPPLIES (STREET).

Craig, William P., New York, N. Y. 210
Pugh & Russell, New York and Chicago 224
Stephenson Co., John (Lim.), New York, N. Y. 230

REFRIGERATOR CARS.

Wickes Refrigerator Co., Chicago, Ill. 172

REVOLVERS, RIFLES, ETC.

Marlin Fire-Arms Co., New Haven, Conn. 101

RIVETS.

Fuller Bros. & Co., New York, N. Y. 32
New Jersey Steel and Iron Co., Trenton, N. J. 90
Passaic Rolling Mill Co., Paterson, N. J. XXXIII
Pennsylvania Bolt and Nut Co., Lebanon, Pa. 162
Plume & Atwood Mfg. Co., Waterbury, Conn. XXIX

ROCK DRILLS.

Ingersoll Rock Drill Co., New York, N. Y. 232

ROLLING MILLS.

Cambria Iron Works, Philadelphia, Pa. 4
Carnegie Bros. & Co. (Lim.), Pittsburgh, Pa. 102
N. Chicago Rolling Mill Co., Chicago, Ill. VI
Passaic Rolling Mill Co., Paterson, N. J. XXXIII
Sellers, Morris & Co., Chicago, Ill. 2

ROOFS.

Albany Bridge and Iron Works, Albany, N. Y. 166
Atlanta Bridge and Axle Co., Atlanta, Ga. 176
MacCormack, J., Albany, N. Y. 166
Massillon Bridge Co., Massillon, O. 170
New Jersey Steel and Iron Co., Trenton, N. J. 90
Passaic Rolling Mill Co., Paterson, N. J. XXXIII
Wallis Iron Works, Jersey City, N. J. 170

PAGE

ROOFING.

Detroit Bridge and Iron Works, Detroit, Mich. 160
Fremont & Ryan, Atlanta, Ga. 182
Garry Iron Roofing Co., Cleveland, O. 60
Hunter, Tillotson & Co., Muskegon, Mich. 166
Rathborne, Jos. & Co., Chicago, Ill. 186

ROPE (WIRE).

Roebling, John A. Sons' Co., Trenton, N. J., and New York City III

RUBBER BELTING, ETC.

Mercer Rubber Co., Trenton, N. J. 108

RUBBER HOSE.

Mercer Rubber Co., Trenton, N. J. 108

SAFES.

Mosler, Bowen & Co., New York, N. Y. XXXV

SECOND-HAND MACHINERY.

Place, George, Mach. Agency, New York, N. Y. 138

SEWER PIPE.

Barrows & Co., New York, N. Y. 208
Montague & Co., Chattanooga, Tenn. 146

SHAFTING.

Fay, J. A. & Co., Cincinnati, O. 78
Sellers, William & Co. Philadelphia, Pa. VII
Western Forge and Rolling Mills, St. Louis, Mo. 92

SIGNALS.

Union Switch and Signal Co., Pittsburgh, Pa. 126

SKYLIGHTS.

Mississippi Glass Co., St. Louis, Mo. 114
Rendle, Arthur E., New York and Philadelphia. 116
Snead & Bibb, Louisville, Ky. 232

SPECIALIST.

Guthrie, Southwick, Washington, D.C. XXXV

SPELTER.

Pope, T. J. & Bro., New York, N. Y. 112

SPIKES, R. R.

Barrows & Co., New York, N. Y. 208
Dilworth, Porter & Co. (Lim.), Pittsburgh, Pa. 68
Drummond, M. J., New York, N. Y. 214
Fuller Bros. & Co., New York, N. Y. 32

SPRINGS, CAR.

Cambria Iron Co., Johnstown, Pa. 4
Detroit Steel and Spring Works, Detroit, Mich. 168
The A. French Spring Co., Pittsburgh, Pa.
Harlan & Hollingsworth Co., Wilmington, Del. 34
Mercer Rubber Co., Trenton, N. J. 108
Pompton Steel and Iron Co., Pompton, N. J. XXIII

SPRING STEEL.

Hussey, Howe & Co., Pittsburgh, Pa. *In. Front Cov.*

STEAM ELEVATORS.

Morse, Williams & Co., Phila. and New York 6

STEAM ENGINES.

Bass Foundry and Mach. Co., Ft. Wayne, Ind. 120
Dickson M'f'g. Co., Scranton, Pa. *In. Ft. Cov.*
Lebanon Manufacturing Co., Lebanon, Pa. 168
Place, George, New York, N. Y. IX and 138

Mosler Safe and Lock Co.'s

CELEBRATED

FIRE AND BURGLAR PROOF

SAFES.

Latest Improvements secured by exclusive Patents:

Round Corners, Solid Continuous Plate, Eight Flanges, Bolts and Lock on inside flange instead of outside. Four Tumbler Combination Lock capable of 100,000,000 changes.

The MOSLER SAFE AND LOCK CO.'s Safes have taken the lead in every exposition in which they have been shown, so incontestible is their superiority over all others, and Bankers and Merchants all over the world testify to the elegant finish and fire and burglar proof qualities of these safes.

Correspondence promptly attended to, and photographs of safes sent with lowest prices on application.

MOSLER, BOWEN & CO.,
768 BROADWAY,
NEW YORK.

GREENE, TWEED & CO.,

Manufacturers and Importers of

RAILROAD, MILL,

AND

MANUFACTURERS'

SUPPLIES,

83 Chambers Street,

NEW YORK.

JOHN BETHELL UHLE,

Attorney and Counsellor at Law,

212 S. 3d STREET, - - - - - - PHILADELPHIA, PA.

In addition to general practice in Philadelphia, personal attention to important cases before the United States and State Courts in all parts of Pennsylvania.
Corporations organized and settlements of State Taxes, Licenses, etc., made.

IRON STOCKS.

HUSSEY, HOYT & CO.,

INVESTMENT BANKERS.

GOGEBIC IRON MINING STOCKS A SPECIALTY.

The second house in the United States to be identified with, and operate in, the Stocks and Mining Properties of the Gogebic Iron Range. Full Information and Expert Reports for the use of Investors.

HUSSEY, HOYT & CO., 231 Bank St., Mercantile Bank Bldg., Cleveland, O.

LAND GRANT & Other Railway Accounts

(PASSENGER, FREIGHT AND MAIL)

Against any department of the **United States Government,** Adjusted and Collected. Prompt and careful attention. Six years in business. References if desired. Write for pamphlet.

SOUTHWICK GUTHRIE, Specialist,

ROOM 91, CORCORAN BUILDING, ... WASHINGTON, D. C.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

STEAM HAMMERS.

Dudgeon, Richard, New York, N. Y.....XXXI
Sellers, William & Co., Philadelphia, Pa.. VII

STEAM PACKING.

Mercer Rubber Co., Trenton, N. J 108

STEAM PUMPS.

Place, George, New York... ... .IX and 138

STEEL MANUFACTURERS.

Cambria Iron Co., Johnstown, Pa..... 4
Carnegie Bros. & Co. (Lim.), Pittsburgh, Pa.... 102
Chester Steel Castings Co., Philadelphia, Pa.... 18
Cleveland Rolling Mill Co., Cleveland, O..... 58
Detroit Steel and Spring Works, Detroit, Mich.. 168
Hussey, Howe & Co., Pittsburgh, Pa...*In. Front Cov.*
Midvale Steel Co., Philadelphia, Pa..... XXI
Otis Iron and Steel Co., Cleveland, O..... ... 168
Pennsylvania Steel Co., Steelton, Pa.....*Insert*, 129
Scranton Steel Co., Scranton, Pa..... 138
Standard Steel Works, Philadelphia, Pa.....XXI
Union Steel Co., Chicago, Ill..... 2

STEEL AXLES.

Cambria Iron Co., Johnstown, Pa..... .. 4
Midvale Steel Co., Philadelphia, Pa.....XXI
Standard Steel Works, Philadelphia, Pa.....XXI

STEEL CASTINGS.

Cambria Iron Co., Johnstown, Pa..... 4
Chester Steel Castings Co., Philadelphia, Pa.... 18
Midvale Steel Co., Philadelphia, Pa..... XXI
Solid Steel Co., Alliance, O..... 144

STEEL CROSS TIES.

Johnson Steel Street Rail Co., Johnstown, Pa.....*Opposite Inside Back Cover.*

STEEL FORGINGS.

Cambria Iron Co., Johnstown, Pa. 4
Hussey, Howe & Co., Pittsburgh, Pa...*In. Front Cov.*
Midvale Steel Co., Philadelphia, Pa.. XXI
Otis Iron and Steel Co., Cleveland, O..... 169
Pennsylvania Steel Co., Steelton, Pa.....*Insert*, 129
Scranton Steel Co., Scranton, Pa..... 318
Standard Steel Works, Philadelphia, Pa.....XXI

STEEL PENS.

Esterbrook Steel Pen Co., New York, N. Y..... 22

STEEL PLATES, SHEETS, BLOOMS, ETC.

Collins, H. E. & Co., Pittsburgh, Pa..... 68
Stroud & Co., New York, N. Y..... III

STEEL TIRES.

Cambria Iron Co., Johnstown, Pa..... 4
Midvale Steel Co., Philadelphia, Pa.... XXI
Standard Steel Works, Philadelphia, Pa.....XXI

STEEL WIRE.

Cambria Iron Co., Johnstown, Pa..... 4

STREET CAR FARE BOXES.

Wales Manufacturing Co., Syracuse, N. Y..... 322

STREET CARS.

Brill, J. G. & Co., Philadelphia, Pa.....XI
Brownell & Wright Car Co., St. Louis, Mo..... 238
Feigel Car Co., New York, N. Y 234
Pugh & Russell, N. Y. and Chicago..... 234
Stephenson Co., John (Lim.), New York, N. Y.. 230

STREET LAMPS.

Standard Gas Lamp Co., Phila. and New York.. 6

PAGE

STREET RAILS.

Pugh & Russell, New York and Chicago..... 234
Way, Rhodes & Blankley, Philadelphia, Pa..... 236
Johnson Steel Street Rail Co., Johnstown, Pa.....*Opposite Inside Back Cover*

STREET RAILWAY SUPPLIES.

Pugh & Russell, New York and Chicago..... 234
Stephenson Co., John (Lim.), New York, N. Y.. 230

STRUCTURAL IRON.

Carnegie Bros. & Co. (Lim.), Pittsburgh, Pa.... 102
Massillon Bridge Co., Massillon, O..... 170
Passaic Rolling Mill, Paterson, N. J.....XXXIII
Penn Bridge Co., Beaver Falls, Pa..... 170

SWITCHES.

Johnston R.R. Frog and Switch Co., Phila., Pa. 261
Pennsylvania Steel Co., Philadelphia, Pa.*Insert*, 129
Union Switch and Signal Co., Pittsburgh, Pa... 126
Way, Rhodes & Blankley, Philadelphia, Pa..... 236
Wier Frog Co., Cincinnati, O..... 176

TAPESTRIES.

Solomon's Sons, B. L., New York, N. Y..... 66

TELEGRAPH SUPPLIES.

Greeley, E. S. & Co., New York, N. Y.... 34

TIES, RAILROAD.

Eppinger & Russell, Brooklyn, N. Y..... 14
Milliener, Joel H., Buffalo, N. Y..... 154
Vanderbilt & Hopkins, New York, N. Y..... 156

TIN (PIG).

Pope, T. J. & Bro., New York, N. Y..... 112
Stroud & Co., New York, N. Y..... 111

TIN PLATE.

Pope, T. J. & Bro., New York, N. Y. 112
Stroud & Co., New York, N. Y..... III

TIRES.

Chester Steel Castings Co., Philadelphia, Pa... 18
Midvale Steel Co., Philadelphia, Pa XIX
Offutt & Co., New York, N. Y 203
Standard Steel Works, Philadelphia, Pa.....XIX

TOOL STEEL.

Detroit Steel and Spring Works, Detroit, Mich.. 168
Hussey, Howe & Co., Pittsburgh, Pa..*In. Front Cov.*
Metcalf, Paul & Co., Pittsburgh, Pa. 168
Sterling Steel Co. (Lim.), Pittsburgh, Pa 168

TRACK BOLTS.

Pittsburgh Forge and Iron Co., Pittsburgh, Pa.. 58

TRACK BOLT WASHERS.

Vulcanized Fibre Co., Wilmington, Del..... 88

TRACK TOOLS.

Metcalf, Paul & Co., Pittsburgh, Pa..... 168

TRAIN TELEGRAPHY.

Ry. Teleg. and Telephone Co., New York, N. Y. 136

TRAMWAY CARS.

Stephenson Co., John (Lim.), New York, N. Y.. 230

TUBE EXPANDERS.

Dudgeon, Richard, New York, N. Y.....XXXI

TO ADVERTISERS.

Poor's Manual of Railroads

Possesses unequalled advantages as a medium for reaching the

RAILWAY INTEREST

and all other Interests which are associated therewith or dependent thereon, as well as the Financial and Commercial Interests of the Country generally. Its reputation in this respect has not been the growth of a year, but is the development of nearly one-fifth of a century—a period which covers the expansion of our Railway System from 39,250 miles to 128,500 miles.

RATES OF ADVERTISING ON APPLICATION.

POOR'S MANUAL,

70 Wall Street, New York, N. Y.

POOR'S DIRECTORY OF RY. OFFICIALS—CLASSIFIED LIST OF ADVERTISERS.

PAGE

TUBES.

Allison Manufacturing Co., Philadelphia, Pa.... 26

TUNNELLING MACHINES.

Ingersoll Rock Drill Co., New York, N. Y..... 222

TURNTABLES.

Atlanta Bridge and Axle Co., Atlanta, Ga..... 176
Detroit Bridge and Iron Works, Detroit, Mich.. 160
Jordan, F., New York, N. Y..... 208
Massillon Bridge Co., Massillon, O..... 170
Passaic Rolling Mill Co., Paterson, N. J.....XXXIII
Sellers, William & Co., Philadelphia, Pa.. VII
Snead & Bibb., Louisville, Ky.... 222
Wallis Iron Works, Jersey City, N. J..... 170

UNIFORM BUTTONS.

French, S. A., New York, N. Y..... 22
Horstmann Bros. & Co., Philadelphia, Pa.....XXV

VALVES.

Ludlow Valve Manufacturing Co., Troy, N. Y... 20
Wood, R. D. & Co., Philadelphia, Pa..... 22

VARNISH.

Brooks, C. & Co., New York, N. Y..... 10
Chilton Manuf. Co., New York and Boston..... 124
De Golyer Varnish Co., Chicago, Ill..... 94
Devoe, F. W. & Co., New York, N. Y.....XXV
Hildreth Varnish Co., New York, N. Y 166
Murphy & Co., N. Y., Chic., Cleve. and St. Louis 176
Parrott Varnish Co., Bridgeport, Conn. 94
Shipman & Bohlen, Newark, N. J..... 70

VENEERS.

Albro Co., E. D., Cincinnati, O..... 148

VENETIAN GLASS.

Heidt, Louis & Bros., Brooklyn, N. Y..... 114

VENTILATORS.

Standard Car Heat. and Vent. Co., Pittsb'gh, Pa. 56

VIADUCTS.

Detroit Bridge and Iron Works, Detroit, Mich... 160
Massillon Bridge Co., Massillon, O.... 170
Pittsburgh Bridge Co., Pittsburgh, Pa. 160

VULCANIZED FIBRE.

Vulcanized Fibre Co., Wilmington, Del..... 88

WASHERS.

Mercer Rubber Co., Trenton, N. J..... 108
Pennsylvania Bolt and Nut Co., Lebanon, Pa... 162
Vulcanized Fibre Co., Wilmington, Del..... 88

WATCHES.

Geneva Non-Magnetic Watch Co., New York, N. Y.....*Back Cover.*

WATER PIPE.

Allison Manufacturing Co., Philadelphia, Pa.... 26
Barrows & Co., New York, N. Y..... 202
Montague & Co., Chattanooga, Tenn..... ... 146
Wood, R. D. & Co., Philadelphia, Pa.... 22

WIRE.

Cambria Iron Co., Johnstown, Pa..... 4
Cleveland Rolling Mill Co., Cleveland, O..... 58
Phosphor Bronze Smelting Co., Philadelphia, Pa. 18
Roebling, John A. Son's Co., Trenton, N. J., and New York, N. Y..... III

WIRE ROPE.

Roebling, John A. Sons' Co., Trenton, N. J., and New York City..... III

WINDOW GLASS.

Heidt, Louis & Bros., Brooklyn, N. Y..... 114

WOOD WORKING MACHINERY.

Fay, J. A. & Co., Cincinnati, O..... 78
Place, George, Machinery Agency, New York.. 138

YARD SWITCHES.

Pennsylvania Steel Co., Steelton, Pa.....*Insert*, 129
Union Switch and Signal Co., Pittsburgh, Pa.... 126
Wier Frog Co., Cincinnati, O..... 176

HENRY W. POOR. JOHN GREENOUGH.

POOR & GREENOUGH,

BANKERS AND BROKERS,

34 WALL STREET, NEW YORK.

Orders Executed for all Securities dealt in at the New York Stock Exchange.

RAILWAY INVESTMENT

A Specialty.

CHOICE SECURITIES ALWAYS ON HAND.

We are in correspondence with nearly every Railroad Company in the Country, through our connection with

"POOR'S MANUAL OF RAILROADS,"

which gives us special advantages for information for the benefit of our customers.

Correspondence Invited. Interest allowed on Deposits, subject to Check at sight.

34 WALL STREET, NEW YORK.

PREFACE.

We present to the public herewith the Second Annual Number of our "Directory of Railway Officials" of the United States and Canada. Its publication has been delayed beyond expectation by the great labor necessarily involved in the collection from 857 Lines operated by Steam and from 703 Street or Horse Railroads—1,560 in all—of the information required, and in the proper preparation and editing of the same.

The form of the present number of the "Directory," for the greater convenience in its use, has been made to correspond to that of the "Manual of the Railroads of the United States." A further important improvement has been made in the mode of reference to the names of the different officials. In addition to the general list, which contains the names of the officials of all the Railroad Companies arranged in alphabetical order, are special lists of the General Managers and General Superintendents of all the lines; of their General Freight and Passenger Agents; Master Mechanics; Master Car Builders; Master Car Painters; Purchasing Agents, and Chief Engineers.

Full lists are also given of all parties, or companies, with the officers of the same, in the United States and Canada engaged in the manufacture of material to be used in the construction and operation of Railroads—of the Manufacturers of Rails; Locomotive Engines; Cars of all kinds; Car Axles; Car Springs; Car Wheels, etc.

In addition to the lists of Roads operated by Steam Power, and of their officials, statements for each road are given of all the Horse or Street Railroads in the several States and Canada, showing their length and the number of horses used as motive power, with a full list of officials connected with each road. A list is also given, with their proper officers, of all the tram or lumber roads in operation in the United States. A list is also given, with that of their officers, of all the Associations of Railway Managers in the United States for the collection and diffusion of the information touching the Management of Railways; also of all the Associations, in the nature of

friendly societies, of Railway Employés. Lists are also given of the Cities or Towns in which the different Railroad Companies are domiciled or in which shops for repairs are established. An interesting and valuable statement is also given in reference to Railways in countries other than the United States.

The importance of the "DIRECTORY" as a source of information and for reference will be better appreciated when it is stated that the length, at the present time, of the Railroads in the United States operated by Steam exceeds 140,000 miles. In their construction over $8,500,000,000 have been expended. The earnings of the Railroads for 1887 will exceed $900,000,000, fully two thirds of which will be expended in their maintenance. At the close of 1887 150,000 miles of line will be in operation in the United States. The "DIRECTORY OF RAILROADS," with the "MANUAL OF RAILROADS," also published by us, is the only source from which full and accurate information can be had of this vast interest, the paramount one in the United States, and of the immense force connected therewith. The "MANUAL" gives full and detailed statements of the length and cost of each line; of the liabilities of each in the form of share capital, of funded and floating debts, and of its operations of each for 1886. For all the leading lines, statements are given covering the results of their operations for a series of years. The vast amount of information called for and given has rendered necessary the publication of the "DIRECTORY" as the proper Supplement to the "MANUAL," which already includes 1,100 pages, and increases in number with each successive year.

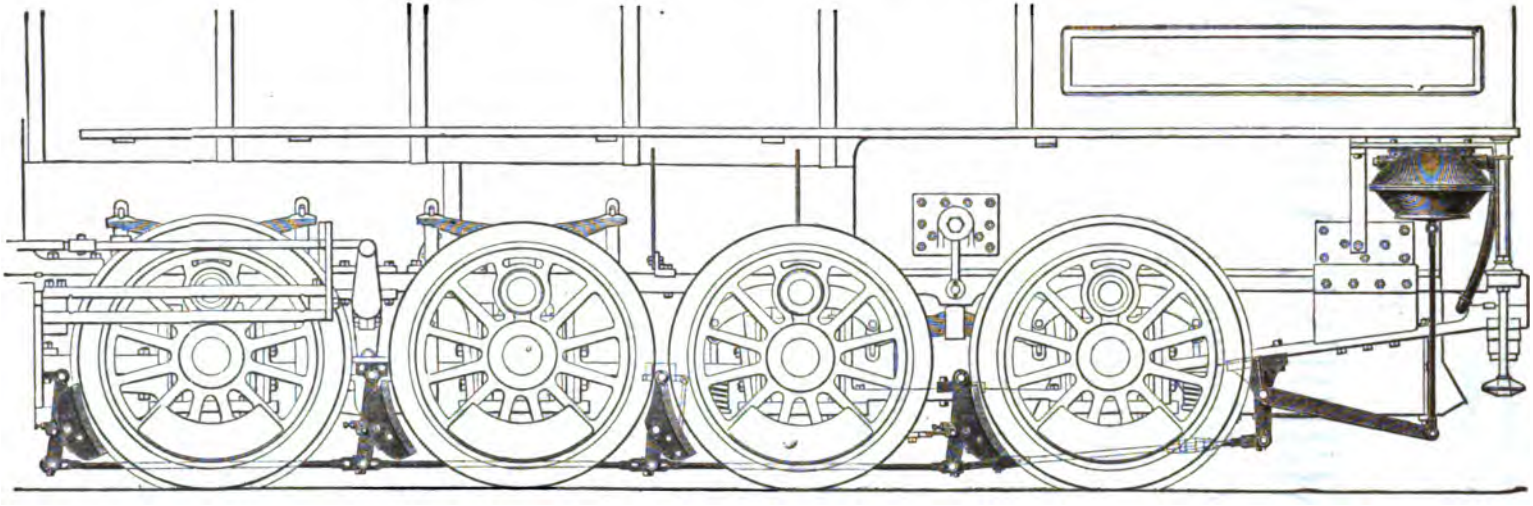
H V. & H. W. POOR.

EAMES' VACUUM BRAKE COMPANY,

123 OLIVER STREET, BOSTON. CABLE ADDRESS: VACUUM, BOSTON.

JOHN C. THOMPSON, Pres. **JAMES H. SLADE, Vice-Pres. & Secy.** **GEO. B. MASSEY, Treas.**

Works at WATERTOWN, N. Y., N. W. HOWSON, Supt.



THE EAMES VACUUM DRIVER BRAKE, STYLE C.

This is the Most Simple and Effective Pull-Brake in the Market.

It Contains very many less parts than** any Brake of Similar Style, and being made **wholly of wrought iron—No cast or malleable iron being used, except for** brake heads and shoes—Is very strong and **durable.

***The Eames Company manufacture many** different styles of brakes, Catalogues **illustrating and describing which will be sent on application. Also Catalogues** of Passenger and Freight Brakes.*

GEO. WESTINGHOUSE, JR., *President.* T. W. WELSH, *Supt.* JOHN CALDWELL, *Treas.*
W. W. CARD, *Secretary.* H. H. WESTINGHOUSE, *General Agent.*

THE

WESTINGHOUSE AIR BRAKE CO.,

Pittsburgh, Pa., U. S. A.,

MANUFACTURERS OF THE

WESTINGHOUSE AUTOMATIC BRAKE.

The WESTINGHOUSE AUTOMATIC BRAKE is now in use on 15,000 engines and 125,000 cars in all parts of the world. This includes 45,000 freight cars.

The WESTINGHOUSE AUTOMATIC BRAKE is the only continuous brake that has been successfully used on freight trains.

THE AUTOMATIC BRAKE will, in consequence of its quick application, stop a train in the least possible distance.

THE AUTOMATIC BRAKE on freight trains, as in passenger service, applies itself instantly to all parts of the train in the event of the train breaking into two or more parts, a feature of great importance in view of the statistics published in the *Railroad Gazette*, which show conclusively that a majority of the collisions are caused by the breaking in two of trains. (See *Railroad Gazette*, Feb. 12, 1886, page 113.)

THE AUTOMATIC BRAKE also applies itself to every car in the train, in the event of any accident to the break apparatus of such a nature that it would render any non-automatic continuous brake inoperative.

THE AUTOMATIC BRAKE can be applied from the rear or from any portion of the train, if desired.

THE AUTOMATIC BRAKE will effect an increase of at least twenty-five per cent. in the efficient value of freight rolling stock, owing to the quicker time that can be made on the road, and the avoiding of delay at stations and sidings. Freight trains carrying perishable goods are being daily run on passenger schedules.

THE AUTOMATIC BRAKE, applied to freight cars, avoids the flattening of wheels and effects a yearly saving, in this item alone, nearly equal to the first cost of the apparatus.

THE AUTOMATIC BRAKE will prevent a greater part of the accidents to freight trains which form so large an item of expense in railway management.

THE AUTOMATIC BRAKE will save employés from the danger and exposure to which they are now subjected, having to ride on the tops of cars in cold and stormy weather, and often sacrificing their lives in the discharge of their duties.

THE AUTOMATIC BRAKE is simple in construction and operation, and cheaply maintained, the working parts being combined in one piece of mechanism.

THE AUTOMATIC BRAKE is not an experiment, but is the result of many years of practical experience, and its capabilities are well known to all railway managers.

LIBRARY OF THE UNIVERSITY OF CALIFORNIA

POOR'S DIRECTORY

OF

RAILWAY OFFICIALS.

1. List of Officers of Railroads in United States and Canada.

Note.—In this list the corporate officers of companies whose lines are operated by other organizations through lease or other agreement are not given.

The small figures ([1], [2], [3], [4], etc.) attached to the names of officers in this List designate additional duties as follows:—Those marked [1] have charge of General Ticket and Passenger Departments; [2] are those to whom Ticket Reports should be addressed; [3] are those to whom Remittances for Balances should be made; [4] are those on whom Drafts for Balances should be drawn; [5] are Purchasing Agents; [6] have charge of General Baggage Departments; [7] report Mileage of Car Service; [8] are those to whom Car Service Reports should be sent; [9] are those to whom Remittances for Balances on account of Car Service should be made; [10] are those on whom Drafts for Balances on account of Car Service should be drawn; [11] are those to whom Car Tracers should be addressed and movements reported.

An asterisk (*) following the name or title of any official denotes that balances, etc., are *paid by voucher*.

A dagger (†) following the name or title of any official indicates that balances are settled through the Railway Clearing House, Boston, Mass.

☞ Reference should be made to Table of Contents for information not contained in this list. ☜

1 Addison & Northern Pennsylvania Ry.—Addison to Galeton, 46 miles, with branch, 5 miles.

1 Thomas C. Platt....	*Pres. & Rec'v'r*	New York, N. Y.
2 Wm. Brookfield....	*Vice-President*	" "
3 W. C. Sheldon[3 4]..	*Treasurer*.....	" "
4 James E. Jones ...	*Secretary*.....	" "
5 F. M. Baker[1 7 8 11]	*G.S., F. & P.A.*	Addison, N. Y.
6 J. P. Wright.....	*Road Master*	" "

General office, Addison, N.Y. Transfer office, 4 Wall St., New York.

2 Adirondack Ry.—Saratoga Springs to North Creek, 60 miles.

1 W. W. Durant.....	*Pres. & G. Mgr.*	New York, N. Y.
2 G. T. M. Davis....	*Vice President*	" "
3 John T. Banker....	*Treas. & Sec.*	" "
4 C.E. Durkee[1 2 3 4 7 8]	*G.S. & G.T.A.*	Sara.Sp'ngs, N.Y.
5 C. R. Eastman.....	*A. S. & R. M.*	" "
6 Jacob Meyers.....	*Mast. Mech.*	" "
7 J. J. Traver....	*Mast. Car B'r.*	" "

General office, 20 Nassau St., New York.

3 Alabama Great Southern Ry.

See Queen and Crescent Route.

4 Alabama, New Orleans, Texas and Pacific Junction Railways Co. (Limited).—Controlling the following lines of railroad: Cincinnati Southern Ry. (Cincinnati, New Orleans and Texas Pacific Ry. Co., lessees), New Orleans and Northeastern RR, Vicksburg and Meridian RR., and Vicksburg, Shreveport and Pacific R.R., which lines in connection with the Alabama Great Southern Ry. form what is known as the **Queen and Crescent Route**, which see.

5 Albemarle and Raleigh RR.

See Atlantic Coast Line.

6 Albert Ry.—Salisbury to Hopewell, 50 miles.

1 R. T. Clinch.....	*President*.....	St. John, N. B.
2 Alfred Ray.....	*Secretary*.....	" "
3 G. A. Robinson....	*Mgr. & Pur. A.*	Hillsboro, N. B.
4 James McKay.....	*Master Mech.*.	" "
5 Hans Larsen.....	*Road Master*..	" "

General office, Hillsboro, N. B.

7 Allegan and Lake Shore RR.—Allegan to Cheshire, 7 miles; extension projected, 18 miles.

1 Wm. S. Dewing	*Pres. & Mgr* .	Kalamazoo, Mich.
2 Chas. A. Dewing[5]..	*Sec. & Treas.*.	" "
3 J. H. Dewing.....	*Chief Eng*....	" "

8 Allegheny Valley RR.—Pittsburgh to Oil City, 132 miles; branches, 128 miles.

1 John Scott }	*Receivers*... }	Pittsburgh, Pa.
2 W. H. Barnes }		Philadelphia, Pa.
3 John Scott.....	*President*.....	Pittsburgh, Pa.
4 T. R. Robinson[3 9 *]	*Sec. & Treas.*.	" "
5 David McCargo....	*Gen. Supt.*....	" "
6 R. H. Utley[6].....	*G. F. & P. A.*	" "
7 Theo. F. Brown[3 4].	*Auditor*	" "
8 Charles B. Price...	*Supt. R. Div.*.	" "
9 S. B. Rumsey.....	*Supt. L. G. D.*	Reynoldsville, Pa.
10 John C. Glass.....	*Master Mech.*.	Verona, Pa.
11 Frank Ashmead...	*Engineer*.. ..	Pittsburg, Pa.
12 John Cowan.....	*Mast. Car B'r.*.	Verona, Pa.
13 John P. Stroud....	*Mast. C. Paint.*	" "
14 W.K.McElroy[7 8 11]	*Car Account*..	Pittsburgh, Pa.
15 H. D. Mason.....	*Purch'g Clerk.*	" "
16 A. M. Hassler	*Pay Clerk*	" "

17 *Supervisors.*—A. B. Kerr, Johnston Station, Pa.; H. E. Bradley, Emlenton, Pa.; Martin Phalen, Reynoldsville, Pa.

General office, 11th and Pike Sts., Pittsburgh, Pa.

☞ *See note of explanation above.*

JAY C. MORSE, President. H. A. GRAY, Sec'y and Treas. ROBERT FORSYTH, Manager. ROBERT SPENCER, General Agent.

The Union Steel Company,

CHICAGO, ILL.,

MANUFACTURERS OF

Steel Rails, Pig Iron, Etc.

OFFICES:

302 to 304 First National Bank Building.

WORKS:

Ashland Avenue and Thirty-first Street.

CHICAGO SPLICE BAR MILL.

MORRIS SELLERS & CO.

Sole Proprietors and Manufacturers of the Celebrated

"SAMSON BAR."

OFFICE: No. 6 ASHLAND BLOCK, CHICAGO.

The "Samson" is made both in the plain and Angle form, fitting any section of rail. They are sold by the pair only, at a price not exceeding that of the ordinary Bar fitting the same section of rail. Each pair of the "SAMSON" will have a guaranteed thickness at the rail joint of not less than one-half inch greater than the ordinary Bars, and at no greater cost per pair.

7,754,911 Bars to date, Feb. 1, 1887, equal to 11,014 Miles of Track.

9 Americus, Preston and Lumpkin RR.—Americus to Antioch, 48 miles, and under construction to Georgetown, 15 miles additional.

1 S. H Hawkins.....	*President*.....	Americus, Ga.
2 J. M. Scott.....	*Vice-President*	" "
3 T. N. Hawkes...	*Sec. & Treas.*.	" "
4 J. N. Bass.....	*Gen. Supt*....	" "
5 B. H. Hardaway....	*Chief Engin'r*	" "
6 C. B. Wilburn. ...	*Gen. Agent*...	" "

10 Anglesea RR.—Anglesea Junction to Holley Beach, 8 miles.

1 J. Alfred Bodine...	*Receiver*.....	Camden, N. J.
2 John T. Ryan.....	*President*.....	Philadelphia, Pa.
3 T. D. Westcott....	*Sec. & Treas.*.	Camden, N. J.
4 E. Westcott.....	*Superintend't.*	" "

General office, Camden, N. J.

11 Annapolis and Baltimore Short Line RR.—Annapolis to Baltimore, 28 miles.

1 H. P. Underhill....	*Pres. & Treas.*	Baltimore, Md.
2 J. S. Ricker.....	*Vice-President*	Portland, Me.
3 D. Linthicum.....	*Secretary*.. ..	Baltimore, Md.

General office, Baltimore, Md.

12 Annapolis, Washington and Baltimore RR.—Annapolis to Annapolis Junction, 21 miles.

1 Jno. W. Brown....	*Pres. & Mgr*..	Baltimore, Md.
2 W. G. Bowdoin...	*Treasurer*	" "
3 J. H. Brown[1 6 11]...	*Gen. T. & F. A.*	Annapolis, Md.
4 J. L Beall.....	*Mast. Mech*....	Baltimore, Md.
5 W. King.....	*Road Master*...	Crownsville, Md.

General office, Annapolis, Md.

13 Anniston and Atlantic RR.—Anniston to Sylacauga, 53 miles.

1 A. L. Tyler.....	*President*....	Anniston, Ala.
2 Sidney F. Tyler....	*Vice-President*	Philadelphia, Pa.
3 D. T. Parker.....	*Treas. & A. Sec.*	Anniston, Ala.
4 Thos. K. Scott.....	*Superintend't.*	" "
5 J. H. Watters.....	*Mast. Transp.*	" "
6 W. W. Porterfield..	*Supervisor*....	" "

14 Antwerp and Paulding RR.—Antwerp to Paulding. 6 miles,

1 T. G. Fitzsimmons.	*President*.....	Antwerp, Ohio.
2 J. R. Fitzsimmons.	*Treasurer*....	" "
3 John Paulson.....	*Secretary*.....	" "
4 E. C. Munson.....	*Gen. Manager*.	" "
5 W. Fitzsimmons, Jr.	*Purch. Agent*.	" "
6 F. Barneydeau.....	*Road Master*..	" "

15 Arizona and New Mexico Ry.—Lordsburg to Clifton, 71 miles.

1 Lawrence Russell..	*President* ...	Clifton, Ariz.
2 M. J. Egan.....	*Vice-President*	" "
3 W. H. Jones[1 2 3 4 5]	*S. & T. & G.S.*	" "
4 James Forbes.....	*Road Master*..	Lordsburg, N. M.

General office, Clifton, Ariz. Locomotive and Car Repair Shops at Clifton, Ariz.

16 Arizona Narrow Gauge RR.—Projected from Tucson to Globe, Ariz., 105 miles, of which 15 miles completed.

1 W. H. Culver.....	*President*.....	Tucson, Ariz.
2 W. W. Walker.....	*G. M. & Eng'r.*	" "
3 Chas. E. Walker...	*Secretary*.....	" "
4 Thos. H. Wagstaff.	*Ass't Sec*.. ...	" "
5 Geo. Pusch.....	*Treasurer*.....	" "
6 C. S. Coler.....	*Ass't Treas*..	" "

17 Arizona Mineral Belt RR.—Projected from Flagstaff, on A. & P. RR., to Benson, Ariz., 290 miles.

1 J. W. Eddy...	*President*.	Flagstaff, Ariz.
2 A. A. McDonell....	*V. P. & S't. C'ns*	" "
3 G. E. White	*Secretary*.....	" "
4 J. P. Whitehead...	*Treasurer* ...	" "

18 Arkansas and Louisiana Ry.—Hope to Nashville, 27 miles.

1 W. H. Carruth.....	*Pres. & Treas.*	Washington, Ark.
2 R. B. Williams.....	*Secretary*.....	" "

18 Arkansas and Louisiana Ry.—*Continued.*

3 J. D. Beardsley....	*Gen. Manager.*	Washington, Ark.
4 H. H. Wheless. ...	*Auditor*.....	" "
5 John Daily.....	*Road Master*..	" "

19 Arkansas Midland RR...Helena to Clarendon, 50 miles.

1 A. H. Johnson[3 4]..	*Pres. & G. M.*	Helena, Ark.
2 J. J. Hornor.....	*Vice-President*	" "
3 S. H. Hornor.....	*Secretary*.....	" "
4 E. C. Hornor.....	*Treasurer*.....	" "
5 J. B. Johnson...	*Gen. Supt. & S. M. P. & M.*	" "
6 G. T. Updegraff[2]	*G. Ft. & Ps. Agt. & Aud.*	" "
7 A. B. Paddock....	*Gen. Tkt. Agt.*	" "
8 J. L. Worthley..	*Mast. Car B'r.*	" "
9 William Kelley....	*For. Loco. Rpr*	" "
10 A. J. Strickland...	*Road Master*..	Holly Grove, Ark.

20 Arkansas Valley Route.—Composed of the lines named below.

GENERAL OPERATING OFFICERS.

1 Henry Wood.....	*Gen. Manager*	Little Rock, Ark.
2 J. A. Woodson[1 5]..	*Traffic Man*..	" "
3 A. L. Horner[4 11]...	*Superintend't.*	" "
4 A. J. Lamborn[2 7 8].	*Auditor*.....	" "
5 A. V. Stafford[3 4 9 10]	*Cashier*.....	" "
6 F. Hufsmith.....	*Mas. M. & C. Br*	Argenta, Ark.

CORPORATE AND DIVISION OFFICERS.

(*a*) *Little Rock and Fort Smith Ry.*—Argenta to Fort Smith, 165 miles, with branches, 3 miles.

f Jos. H. Converse...	*President*....	Boston, Mass.
2 Jesse Turner.....	*Vice-President*	Van Buren, Ark.
3 Jos. Kampman....	*Trs. & Trn. A't*	Boston, Mass.
4 C. F. Shillaber.....	*Secretary*.....	Little Rock. Ark.
5 T. M. Gibson.....	*Land Comm'r*	" "
6 A. Ball...	*Forem. Lo. Rpr*	Argenta, Ark.
7 J. Malone.....	*Fore. Car Rprs*	" "
8 I. R. Higgins	*Road Master*..	" "
9 R. D. Reynolds....	*Gen. Agent*....	New Orleans, La.

General office, Little Kock, Ark. Transfer office, Boston, Mass.

(*b*) *Little Rock Junction Ry.*—Argenta to Little Rock, 1 mile, connecting "*a*" and "*c*."

1 F. Gordon Dexter..	*President*.....	Boston, Mass.
2 Joseph Kampman..	*Treasurer*	" "
3 C. F. Shillaber.....	*Secretary*.....	Little Rock, Ark.

General office, Little Rock, Ark. Transfer office, Boston, Mass.

(*c*) *Little Rock, Mississippi River and Texas Ry.*—Little Rock to Arkansas City, 113 miles, with branches, 57 miles,

1 Jay Gould.....	*Owner*.	New York, N. Y.
2 Henry Wood.....	*Agt for Purch*.	Little Rock, Ark.
3 P. Southers...	*Fore. Cr. Rpr*.	Ark. City, Ark.
4 Chas. Russell.....	*Road Master*..	Little Rock, Ark.

General office, Little Rock, Ark. Transfer office, Boston, Mass.

21 Artesia, Starkville and Grenada RR.—Proposed line from Artesia to Grenada, Miss., 81 miles, including 12 miles completed from Artesia to Starkville, which is owned by the M. & O. RR.

1 L. D. McDowell....	*President*.....	Starkville, Miss.
2 A. M. Maxwell.....	*Treasurer*	" "
3 H. C. Powers.....	*Secretary*....	" "
4 R. H. Elliott.....	*Chief Engin'r*	Memphis, Tenn.

General office, Starkville, Miss.

22 Asheville and Spartanburg RR.

See Richmond and West Point Terminal.

23 Ashland Coal and Iron Ry.—Ashland to Denton, 22 miles.

1 John Means	*President*....	Ashland, Ky.
2 John G. Peebles....	*Vice-President*	Portsmouth, O.
3 Robert Peebles[5]..	*Sec. & Treas. G. P. & F. Agt*	Ashland, Ky.

☞ *See note of explanation on first page.*

CAMBRIA STEEL RAILS.

HEAVY RAILS,
LIGHT RAILS,
Railway
Fastenings,
STREET
RAILS.

ADDRESS:

Cambria
Iron
Company.

OFFICE:

218 South Fourth Street,

PHILADELPHIA, PA.

Works: Johnstown, Pennsylvania.

23 Ashland Coal and Iron Ry.—*Continued.*

4 D. Putnam, Jr.	*Gen. S. & G.M*	Ashland, Ky.
5 Frank Coles	*Actg Ass't Supt*	" "
6 E. M. Roberts	*M.M. & M. of T*	" "
7 O. Brainard	*Forem. Cr. Rpr*	" "
8 Jas. M. Hughes	*Road Master.. Supt. Bridges.*	" "

General office, Ashland, Ky.

24 Atchison, Topeka and Santa Fe RR.—Main Lines, Atchison, Kan., to Pueblo, Col., 619 miles; La Junta, Col., to El Paso, Tex., 601 miles; For extensions, branches, etc., etc., see "Poor's Manual of Railroads."

1 William B Strong	*President*	Boston, Mass.
2 C. W. Smith	*1st V.-P. & G.M*	Topeka, Kan.
3 A. A. Robinson	*2d V.-P. & C. E.*	" "
4 G.O. Manchester	*Executive Sec.*	Boston, Mass.
5 E. Wilder[3 4 9 10]	*Sec. & Treas.*	Topeka, Kan.
6 Geo. L. Goodwin	*As. Sec. & A. T.*	Boston, Mass.
7 J. P. Whitehead	*Comp. & G. Au.*	" "
8 J. F. Goddard	*Ast. Gen. Man.*	Topeka, Kan.
9 Don A. Sweet	*Ass't Traf Mgr*	" "
10 Joseph Leeds	*Gen. Fgt. Agt.*	" "
11 J. O. Phillippi	*Ast. G. Fgt. A.*	" "
12 W. F. White	*G. Ps. & Tk. A.*	" "
13 G. T. Nicholson	*A. G. P. & T. A.*	" "
14 D. J. Chase	*Spt. Transport*	" "
15 A. S. Johnson	*Land & Tax C*	" "
16 A. C. Armstrong	*Purch. Agent.*	" "
17 M. W. Osborne	*Su Rdy & Bldgs*	" "
18 H. C. Clements[2]	*Auditor*	" "
19 R. B. Gemmell	*Sup. of Teleg'h*	" "
20 C. M. Foulks	*Claim Agent*	" "
21 Lewis Kingman	*A. E. Con. Dept*	" "
22 J. M. Meade	*A. E. Oper. Dep*	" "
23 W. W. Allen	*S. Fuel & Mine*	" "
24 M. W. Osborne	*Spt. Rdy. & Buildings*	" "
25 P. Walsh	*Gen. Bag. Agt*	" "
26 Geo. Hackney	*Supt. Mach.*	" "
27 G. A. Hancock	*Ast. Sup. Mach.*	" "
28 H. M. Perry	*Mast. Car. B'r*	" "
29 Geo. W. McCrary	*Gen. Counsel*	Kansas City, Mo.
30 Geo. R. Peck	*Gen. Solicitor*	Topeka, Kan.
31 A. A. Hurd	*Sol. for Kan.*	" "
32 A. P. Wilder[7 8 11]	*Car Acc't*	" "
33 A. A. Glasier	*Transfer Agt.*	Boston, Mass.

DIVISION OFFICERS.

34 *Division Master Mechanics.*—John Fagan, Atchison, Kan.; H. P. Olcott, Argentine, Kan.; Alfred Taylor, Emporia, Kan.; Henry Giegoldt, Nickerson, Kan.; R. H. Briggs, Coolidge, Kan.; A. C. Stiles, La Junta, Col; W. L. Hoffecker, Raton, N. M., and Las Vegas, N. M.; E. Hockett, San Marcial, N. M.

35 *Division Superintendents.*—C. L. Nichols, *Ass't Supt.*, Topeka Kan.; H. R. Nickerson, Newton, Kan.; C. M. Rathburn, La Junta, Col.; Charles Dyer, Las Vegas, N. M.; George L. Sands, San Marcial, N. M.

36 J. C. Sheahan | *Super. B. & B.* | Topeka, Kan.

37 *Road Masters.*—George Weight, Topeka, Kan.; T. Moriarty, Topeka, Kan.; A. Harley, Emporia, Kan.; I. H. Stettler, Emporia, Kan.; G. J. Lockie, Newton, Kan.; P. Peters, Newton, Kan.; G. B. Moore, Great Bend, Kan.; Ed. Marshall, Coolidge, Kan.; J. M. Woodward, La Junta, Col.; J. A. Griffitts, Trinidad, Col; Ed. Raymond, Florence, Kan.; Dan Elliott, Las Vegas, N. M.; H. U. Mudge, Las Vegas, N. M.; J. G. Hutchinson, Socerro, N. M.; J. B. Austin, San Marcial, N. M.

a. PASSENGER AGENTS.

1 W. L. Malcolm	*Gen. East. Agt.*	New York, N. Y.
2 F. W. Irving	*Passenger Agt.*	" "
3 A. W. Middleton	*City Pass. Agt.*	" "
4 S. W. Manning	*New Eng. Agt.*	Boston, Mass.
5 J. W. Donald	*Trav. Agent..*	" "
6 O. M. Chandler	*Trav. Agent.*	" "
7 Henry Farnum	*Passenger Agt.*	Philadelphia, Pa.
8 Geo. W. Pangborn	*Fgt. & Pass. A.*	Buffalo, N. Y.
9 Frank Bowman	*Trav. Agent..*	" "
10 Charles B. Squires	*Trav. Agent..*	" "
11 H. G. Krake	*General Agent*	Cincinnati, O.

24 Atchison, Topeka and Santa Fe RR.—PASSENGER AGENTS.—*Continued.*

12 Geo. T. Gunnip	*Passenger Agt.*	Cincinnati, O.
13 E. F. Sisson	*So. Pass. Agt.*	Chattan'ga, Tenn.
14 F. T. Hendry	*Passenger Agt.*	Indianapolis, Ind.
15 Chas. H. Wood	*General Agent*	Chicago, Ill.
16 Geo. Hagenbuch	*City Pass. Agt.*	" "
17 G. E. Gilman	*Passenger Agt.*	Detroit, Mich.
18 J. M. Connell	*Passenger Agt.*	Milwaukee, Wis.
19 J. J. Devereux	*Passenger Agt.*	Bloomington, Ill.
20 S. M. Osgood	*Fgt. & Pass Ag.*	Des Moines, Ia.
21 Geo. Chambers	*Trav. Agent..*	Cedar Rapids, Ia.
22 C. W. Stover	*Trav. Agent..*	Des Moines, Ia.
23 J. L. Blair	*Dis. Pass. Agt.*	Minneapolis, Min.
24 N. T. Spoor	*General Agent*	Kansas City, Mo.
25 H. E. Moss	*Passenger Agt.*	" "
26 W. J. Janney	*Passenger Agt.*	" "
27 W. R. Peabody	*General Agent*	Atchison, Kan.
28 E. L. Palmer	*Trav. Agent..*	" "
29 A. P. Tanner	*General Agent*	St. Louis, Mo.
30 G. D. Maxfield	*Trav. Agent.*	" "
31 E. F. Burnett	*Trav. Pass. Ag.*	Topeka, Kan.
32 Otto Fass	*Passenger Agt.*	Denver, Col.
33 S. V. Derrah	*Solic. Agent..*	" "
34 P. J. Flynn	*General Agent*	" "
35 F. C. Gay	*Dist. F. & P. A.*	Las Vegas, N. M.
36 H. B. Keeler	*Dist. F. & P. A.*	Wichita, Kan.
37 John L. Truslow	*G. West. Ps. Ag.*	S. Francisco, Cal.
38 S. N. Townshend	*For. Agent*	Topeka, Kan.
39 Edw. Horen	*Sp'l Im. Agt*	Las Vegas, N. M.

b. FREIGHT AGENTS.

1 C. D Simonson	*California Agt*	New York, N. Y.
2 W. H. Williams	*Contracting A.*	Chicago, Ill.
3 Geo. W. Pangborn	*Fgt. & Pass. A.*	Buffalo, N. Y.
4 S. M. Osgood	*Fgt. & Pass. A.*	Des Moines, Ia.
5 F. C Gay	*Dist. F. & P. A.*	Las Vegas, N. M.
6 H. B. Keeler	*Dist. F. & P. A.*	Wichita, Kan.
7 C. B. Jones	*Live Stock Agt.*	Topeka, Kan.
8 W. H. H. Llewelyn	*Live Stock Agt.*	Las Cruces, N. M.

(*c*) *The Southern Kansas Ry. Co.*—Total length of all lines, 549.8 miles.

1 J. L. Barnes[7 8 11]	*Superintend't.*	Lawrence, Kan.
2 S. B. Hynes	*G. Ft. & Pas. A.*	" "
3 C. W. Cook	*Ass't F. & P. A.*	" "
4 B. A. Ambler[3 4 9 10]	*Cas. & Paym'r.*	" "
5 J. H. Hill	*Supt. Teleg.*	" "
6 M. N. Wells	*Engineer*	" "
7 H. C. Whitehead[2]	*Auditor*	" "
8 A. C. Armstrong	*Purch. Agent.*	Topeka, "
9 M. K. Fleming	*Gen. Bag. Agt.*	Cherryvale, "
10 T. D Volk	*Mast. Mech*	Ottawa, "
11 W. W. Allen	*Fuel Agent*	Topeka, "
12 J. D. Hildebrand	*Road Master*	Ottawa, "
13 G. L. McDonough	*Gen. Trav. Ag.*	St. Louis, Mo.
14 E. Coman	*Trav. Agent..*	Kansas City, Mo.
15 W D. Hynes	*Trav. Agent..*	Indianapolis, Ind.
16 J. Halderman	*Trav. Agent..*	Columbus, O.

Sonora System, Benson, A. T., to Guaymas, Mex., 353 miles, consisting of the—

(*d*) *New Mexico and Arizona RR.*—Nogales to Benson, 88 miles.

1 W. B. Strong	*President*	Boston, Mass.
2 C. W. Smith	*General Mgr.*	Topeka, Kan.
3 E. Wilder	*Sec. & Treas.*	" "
4 G. L. Goodwin	*As. S. & As. Tr.*	Boston, Mass.
5 J. P Whitehead	*Com. & G. Aud*	" "
6 H. C. Clements	*Auditor*	Topeka, Kan.
7 J. H. Scott	*Superintend't.*	Benson, Ariz. T.
8 W. E. Walsh	*Ass't Auditor.*	" "

(*e*) *Sonora Railway.*—Guaymas to Nogales, Mex., 265 miles.

1 Wm. B. Strong	*President*	Boston, Mass.
2 C. W. Smith	*1st V.P. & G.M.*	Topeka, Kan.
3 Robert R. Symon	*Vice-President*	New York, N. Y.
4 G. L. Goodwin	*Sec. & Treas.*	Boston, Mass.
5 E. Wilder	*As. Sec. & A. T.*	Topeka, Kan.
6 A. A. Robinson	*Gen. Manager*	" "
7 J. H. Scott	*Ass't Gen. Mgr.*	Guaymas, Mex.
8 J. P. Whitehead	*Auditor*	Boston, Mass.
9 Russell Elliott	*Ass't Auditor.*	Guaymas, Mex.
10 E. H. Davis	*Gen. F. & P. A.*	" "

☞ *See note of explanation on first page.*

MORSE ELEVATOR WORKS.

MORSE, WILLIAMS & CO.

Manufacturers and Builders of

Steam, Belt, Hydraulic & Hand-Power Freight and Passenger

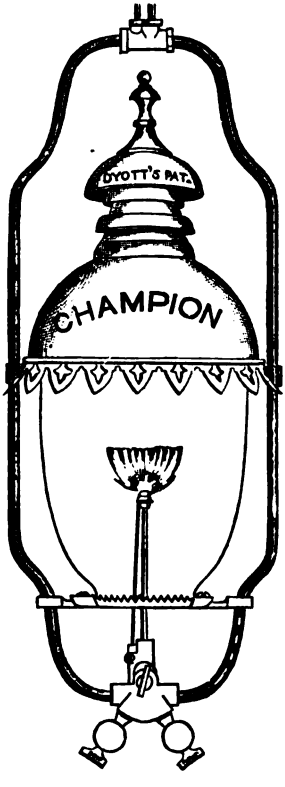
ELEVATORS,

Suitable for Stations, Depots, Machine and Construction Shops, Warehouses, &c.

WALDRON PAT. ROTARY HOISTING ENGINE.

Works: Frankford Ave., Wildey and Shackamaxon Sts., Philadelphia, Pa.

NEW YORK OFFICE: 108 LIBERTY STREET.



S. A. MORSE, Pres. M. B. DYOTT, Sup't.
G. REBMANN, V.-Pres. E. F. MORSE, Sec'y.
C. M. WILLIAMS, Treas.

STANDARD GAS LAMP CO.

Office, 411 Cherry St., Factory, 1101, 1103 & 1105 Frankford Ave.,

PHILADELPHIA, PA.

BRANCH OFFICE, 108 LIBERTY STREET, NEW YORK.

DYOTT'S PATENT SYSTEM OF INSTANTANEOUSLY LIGHTING GAS (WITHOUT ELECTRICITY) FOR RAILROAD DEPOTS IS UNEQUALLED. Dyott's high candle-power Burner is superior to any other or the Electric Light.

Estimates given, on application, from Architects' and Engineers' Plans; or Special Drawings furnished when asked for.

We manufacture every description of Plain and Ornamental Street Lamps, Posts, Brackets, Clusters, etc.

Write for Cuts and Drawings.

Our Patent Lamps are in use by the Philadelphia and Reading, the Pennnsylvania, Baltimore and Ohio, and other leading Railroads.

24 Atchison, Topeka and Santa Fe RR.—*Sonora Railway.—Continued.*

11 L. H. Waugh.....	*Master Mech*..	Guaymas, Mex.
12 Lawrence Storm..	*For. Car Shops*	" "
13 John Discombe....	*For. Rep. Yard*	Imuris, Mex.
14 W. T. Richards. .	*Resident Eng.*	Guaymas, Mex.
15 Geo. Montague....	*Road Master*..	" "
16 G. E. Montandon.	*Road Master*..	Benson, A. T.

(*f*) *Chicago, Kansas and Western RR.*—New organization, under which extensions in Kansas are being built by the Atchison Company. See "Poor's Manual of Railroads."

1 Joab Mulvane.....	*President*.....	Topeka, Kan.
2 J. P. Griswold. ...	*Vice-President*	" "
3 E. Wilder[2 4 9 10]...	*Sec. & Treas*..	" "
4 G. L. Goodwin....	*A.Sec.&A.Tr.*	Boston, Mass.
5 C. W. Smith.....	*Gen. Manager*	Topeka, Kan.
6 J. P. Whitehead ..	*Com.& G.Aud*	Boston, Mass.
7 A. A. Robinson....	*Chief Engin'r*	Topeka, Kan.
8 H. C. Clements[2]...	*Auditor*.....	" "
9 J. F. Goddard.. .	*Ass't Gen.Man*	" "
10 Geo. R. Peck.....	*Gen. Solicitor.*	" "
11 A. C. Armstrong...	*Purch. Agent.*	" "
12 Geo. Hackney.....	*Supt. of Mach.*	" "
13 D. J. Chase	*Sup.of Transp*	" "
14 M. W. Osborne ..	*Su.Rdy&Bdgs*	" "
15 A. S. Johnson.....	*Gen. Tax Com.*	" "
16 Don A. Sweet.....	*As.Traf. Mgr.*	" "
17 W. F. White	*G. P.&T.Agt.*	" "
18 J. S. Leeds.....	*Gen. Fgt. Agt.*	" "
19 C. M. Foulke	*Claim Agent*..	" "
20 A. P. Wilder[7 8 11]..	*Car Account't.*	" "
21 W. W. Allen.....	*Sup.of F.& M.*	" "
22 R. B. Gunnsell....	*Sup. of Teleg*..	" "

‖ [Roads owned jointly with other companies operated independently, but under management of Atchison officials:—

(*g*) *Leavenworth, Topeka and Southwestern Ry.*—Leavenworth to Meriden Junction, 46 miles. Owned by Atchison and Union Pacific Companies.

1 W. B. Strong.....	*President*	Boston, Mass.
2 F. G. Dexter.....	*Vice-President*	" "
3 G. L. Goodwin....	*Treas.&Ast.S.*	" "
4 E. Wilder	*Sec.& Ass't Tr*	Topeka, Kan.
5 C. W. Smith.	*Gen.Manager.*	" "
6 J. P. Whitehead....	*Com.& G.Aud*	Boston, Mass.
7 H. C. Clements.....	*Auditor*.....	Topeka, Kan.

(*h*) *Manhattan, Alma and Burlingame Ry.*—Manhattan to Burlingame, 56.4 miles. Owned by Atchison and Union Pacific Companies.

1 F. G. Dexter.....	*President*.....	Boston, Mass.
2 W. B. Strong.....	*Vice-President*	" "
3 G. L. Goodwin.....	*Treas.&Ast S.*	" "
4 E. Wilder.....	*Sec.&Ass't Tr.*	Topeka, Kan.
5 C. W. Smith.....	*Gen.Manager.*	" "
6 J. P. Whitehead....	*Com.& G.Aud*	Boston, Mass.

(*i*) *Wichita and Western RR.*—Wichita to Kingman, 45 miles. Owned by A., T. & S. Fe, and St. L. & S. F. RR. Cos.

1 E. W. Kinsley....	*President*....	Boston, Mass.
2 T. C. Wales[3 4]	*S.Tr.&Loc.A.*	Wichita, Kan.
3 G. L. Goodwin.....	*Ass't Treas*...	Boston, Mass.
4 Frank M. Hill[2]...	*Supt.F.&P.A.*	Wichita, Kan.
5 J. P. Whitehead....	*Com.& G.Aud*	Boston, Mass.
6 A. F. Licke.....	*Trans. Agent.*	Wichita, Kan.

General offices (A., T. & S. F. RR.), Topeka, Kan. Financial office, 95 Milk St., Boston, Mass.

25 Atlanta and West Point RR.

See Western Ry. of Alabama.

26 Atlantic Coast Line.—Composed of the lines named below.

GENERAL OPERATING OFFICERS.

1 H. Walters.....	*V. P.& G. Mr.*	Wilmington, N.C.
2 J. F. Divine	*Gen. Supt*.....	" "
3 Sol. Haas.	*Traffic Man*...	Richmond, Va.
4 T. M. Emerson....	*Gen.Pt.&P.A.*	Wilmington N.C.
5 J. H. Hill.....	*Gen.Bag. Agt.*	Richmond, Va.

26 Atlantic Coast Line—GENERAL OPERATING OFFICERS.—*Continued.*

6 J. R. Kenly.....	*Supt. Trans*..	Wilmington, N.C.
7 W. A. Riach[2 7 8 11]	*Gen Auditor*..	" "
8 B. R. Dunn.....	*Eng. of R'way*	" "
9 E. C. Dunn.	*Ass't E. of R*..	" "

Passenger Agents.

10 H. P. Clark.....	*Gen. En. P.A.*	New York, N. Y.
11 Jonah H. White...	*East. Pass. A.*	" "
12 Waldo A. Pearce..	*Agent*....	Boston, Mass.
13 F. B. Price.....	*Agent*....	Philadelphia, Pa.
14 G. R Needham....	*Agent*....	Baltimore, Md.
15 A. L. Reed.... ...	*Dist.Pass.Agt.*	Washington D.C.
16 C. W. Harwood....	*Soliciting Agt.*	Richmond, Va.
17 C. C. West..	*Soliciting Agt.*	Charleston, S. C.
18 W. W. Davies	*General Agent*	Jacksonville, Fla.

CORPORATE AND DIVISION OFFICERS.

(*a*) *Albemarle and Raleigh RR.*—Williamston to Tarboro, 32 miles.

1 H. R. Baltzer.....	*President*....	New York, N. Y.
2 J. W. Thompson...	*Sec. & Treas*..	Wilmington, N.C.
3 J. F. Post, Jr.....	*Ass'tSec.& Tr.*	" "

General office, Wilmington, N. C.

(*b*) *Cheraw and Darlington RR.*—Florence to Cheraw, 40 miles; and

(*c*) *Cheraw and Salisbury RR.*—Cheraw to Wadesboro, 25 miles.

OFFICERS OF BOTH RAILROADS.

1 A. F. Ravenel.....	*President*.....	Charleston, S. C.
2 J. H. McIver[3 4]...	*Sec. & Treas*..	Society Hill, S. C.
3 G. G Lynch.....	*Mast. of Trans.*	Florence, S. C.
4 J. E. Kelly.....	*Road Master*..	Cheraw, S. C.

General office, Cheraw, S. C.

(*d*) *North Eastern RR.*—Charleston to Florence, 102 miles.

1 A. F. Ravenel.....	*President*.....	Charleston, S. C.
2 B. S Rhett[3 4 9 10]....	*Treasurer*	" "
3 C. Williman.....	*Secretary*	" "
4 W. N. Royall.....	*Ass't Supt* ...	" "
5 G. B. Newcomb	*Road Master*..	Florence, S. C.

General office, Charleston, S. C.

(*e*) *Petersburg RR.*—Petersburg to Weldon, 61 miles.

1 John B. Palmer.....	*President*.....	Richmond, Va.
2 M. W. Yarrington[3 4 9 10].....	*Treasurer*....	" "
3 R. M. Sully.....	*Division Supt.*	Petersburg, Va.
4 W. A. Riach[1 2].....	*Auditor*.....	Wilmington, N.C.
5 W. R. Jones.....	*Ass't Aud*...	Richmond, Va.

General office, Richmond, Va.

(*f*) *Richmond and Petersburg RR.*—Richmond to Petersburg, 23 miles.

1 Fred. R. Scott.....	*President*.....	Richmond, Va.
2 M. W. Yarrington[3 4 9 10].....	*Sec. & Treas.*	" "
3 R. M. Sully.....	*Div. Supt*....	Petersburg, Va.
4 W. A. Riach[2 5].....	*Auditor*.....	Wilmington, N.C.
5 W. R. Jones.....	*Ass't Aud*.....	Richmond, Va.
6 John O'Brien.....	*Master Mech*..	" "
7 H. M. Robinson.. ..	*Road Master*..	Rocky Mt., N. C.

General office, Richmond, Va.

(*g*) *Wilmington and Weldon RR.*—Wilmington to Weldon, 162 miles, with branches, 59 miles; and

(*h*) *Wilmington, Columbia and Augusta RR.*—Wilmington to Columbia, 192 miles.

OFFICERS OF BOTH RAILROADS.

1 R. R. Bridgers....	*President*. ...	Wilmington, N.C.
2 B. F. Newcomer...	*V.-P. W. & W.*	Baltimore, Md.
3 W. T. Walters.....	*V.-P.W.C.& A*	" "
4 J. W. Thompson[3 4 9 10].....	*Sec. & Treas.*	Wilmington, N.C.
5 Jas. F. Post, Jr. ..	*Ass't Treas*....	" "
6 John R. Latta....	*Ass't Auditor.*	" "
7 James Knight....	*Master Trans.*	" "
8 John Bissett.....	*Mast. of Mach.*	" "

☞ *See note of explanation on first page.*

"THE ANNUAL ISSUE IS AN EVENT OF IMPORTANCE."
—*Railroad Gazette.*

NOW IN PREPARATION.

To be issued early in June, 1887.

THE TWENTIETH ANNUAL NUMBER OF

POOR'S MANUAL

OF THE

Railroads of the United States,

CANADA AND MEXICO.

THE forthcoming number of this standard work will be the most complete and comprehensive edition ever issued. The high character of the MANUAL is universally recognized wherever there is any interest in American Railways. This is due to **the great elaboration with which the statements of our Railroads are prepared.**

With each number some new feature is introduced. New MAPS are now being specially engraved by the American Bank Note Company.

Other new features now in the MANUAL are, (1) a statement showing the range of stock and bond values for eight years; (2) a statement showing the rates of dividends paid for a like period; (3) statements showing dividends paid by all railroads since their organization; and (4) a statement showing details of the lines which have been merged into other roads.

More extended reference to these new features will be found elsewhere in this DIRECTORY.

The cost of the MANUAL has been greatly increased by the addition of maps and the elaboration of the statements above referred to; but, notwithstanding this, the price of the work remains the same.

☞ Its cost is $6.00, delivered free.

Orders for the edition of 1887 are now respectfully solicited.

POOR'S MANUAL OF RAILROADS,

70 Wall Street, New York.

26 Atlantic Coast Line—Officers of both Railroads.—*Continued.*

9 J. H. Davis	*M. C. Br. W. & W. RR.*	Wilmington, N.C.
10 W. H. Day	*M.C. Bu. W.C. & A. RR.*	Florence, S. C.
11 A. N. Freeland	*R.M., W.C.&A*	Sumter, S. C.
12 John Barry	*R. M., W. & W.*	Wilmington, N.C.
13 B. F. Murphy	*Mast. Car Pain*	" "
14 E. F. Cason	*Storekeeper*	" "

General office, Wilmington, N. C.

27 Atlantic and Danville Ry.—Claremont to Bellfield, Va., 55 miles.

1 B. D. Tillar	*President*	Hicksford, Va.
2 Thomas Ewing	*Vice-President*	New York, N. Y.
3 W. G. Elliott	*Sec. & Solicitor*	Norfolk, Va.
4 N. Burruss	*Treasurer*	" "
5 E. L. Burruss	*Auditor*	Hicksford, Va.
6 P. Fleetwood	*Gen. Manager.*	Waverly, Va.

General office, Hicksford, Va.

28 Atlantic and North Carolina RR.—Morehead City to Goldsboro, 95 miles.

1 Washington Bryan[5]	*President*	Newbern, N. C.
2 F. C. Roberts[3 4 9 10]	*Sec. & Treas.*	" "
3 W. Dunn	*Sup. Gen. Pass. & Fgt. Agt.*	" "
4 S. L. Dill[1 2 7 8 11]	*Auditor*	" "
5 J. W. Webb[6]	*Supt. Teleg.*	" "
6 Basil Manly	*Supt M.P.&M.*	" "
7 Jacob Taylor	*Mast. Car B'r.*	" "
8 C. L. Kingsley	*Engineer*	" "
9 S. W. Howard	*Road Master*	" "

29 Atlantic and Pacific RR.—Albuquerque to Mojave, 815 miles.

1 Henry C. Nutt	*President*	Boston, Mass.
2 E. F. Winslow	*Vice-President*	New York, N. Y.
3 W. B. Strong	*2d Vice-Pres.*	Boston, Mass.
4 Geo. L. Sands	*Superintend't.*	Boston, Mass.
5 H. W. Gardiner	*Sec. & Treas.*	Albuquerq., N.M.
6 D. L. Gallup	*Auditor*	Boston, Mass.
7 L. H. Northrup[2 7 8 11]	*Act. Auditor*	Albuquerq., N.M.
8 C. A. Hawks[3 4 9 10]	*Cashier*	" "
9 F. M. Crocker	*Paymaster*	" "
10 W. A. Bissell[1 6]	*Gen. F. & P. A.*	" "
11 W. B. Biddle	*Ass't G.F.Agt.*	" "
12 Geo. F. Brydon	*Ass't G.P.Agt.*	" "
13 H. C. Bush	*A.,A.& PFFL*	S. Francisco, Cal.
14 J. S. Inglis	*CA,A & PFFL*	" "
15 W. A. Bissell	*Mgr. Atl. & Pa. Fast Fgt. L.*	" "
16 F. F. Berry	*Ticket Agent*	" "
17 J. A. Williamson	*Land Comm'r.*	Boston, Mass.
18 R. A. Matthews	*Supt. Road De.*	Albuquerq., N.M.
19 George Hackney	*Supt. Mach.*	Topeka, Kan.
20 A. C. Armstrong	*Purch. Agent.*	" "
21 C. L. Mixer	*Supt. Cal. Div.*	Needles, Cal.
22 Andrew Smith	*Supt. Alb. Div.*	Albuquerq., N.M.
23 I. H. Polk	*Supt. Ariz. Div.*	Winslow, Ariz
24 T. M. Daly	*Supt. Teleg.*	Albuquerq., N.M.
25 B. C. Bosworth	*Div. Mast Mech*	Needles, Cal.
26 B. F. Caldwell	*Div. Mast Mech*	Winslow, Ariz.
27 T. Ainsworth	*Div. Mast Mech*	Albuquerq., N.M.
28 A. B. Ostrander	*For. Water Ser.*	PeachSprin., Ariz.
29 Z. Gervais	*Mast. C. Paint.*	Albuquerq., N.M.
30 J. H. Kuhns	*Gen. S. Keeper*	" "

[8] 31 *Road Masters.*—W. Crowley, Williams, A. T.; C. L. Nelson, Daggett, Cal.; H. Banker, Coolidge, N. M.; P. Coyne, Peach Springs, Ariz.

General office, 87 Milk St, Boston, Mass.

30 Augusta and Chattanooga RR.—Projected from Augusta, Ga., to Chattanooga, Tenn., 200 miles. Now being graded from Augusta to Gainesville, 180 miles, by W. B. Lowe & Co., of Atlanta, Ga.

1 Clement A. Evans	*Pres. & G. M.*	Augusta, Ga.
2 Wm. B. Young	*Treasurer*	" "
3 P. R. Sledge	*Secretary*	" "

31 Augusta, Gibson and Sandersville RR.—Augusta to Sandersville, 80 miles.

1 R. M. Mitchell[1 3 5]	*President*	Augusta, Ga.
2 W. B. Young	*Sec. & Treas.*	" "
3 George Adams[2 6 11]	*Agent*	" "
4 R. T. Barksdale	*Ch'f Engineer*	" "
5 F. W. Reaney	*Mast. Mech.*	" "

General office, Augusta, Ga.

32 Austin and Northwestern RR.—Austin to Burnet, 60 miles.

1 W. B. Isham	*Owner*	New York, N. Y.
2	*Sec. & Treas.*	Austin, Texas.
3 A. N. Leitnaker[1 3 4 5]	*Gen. Supt.*	" "
4 P. L. Walker	*Master Mech.*	" "

General office, Austin, Texas.

33 Bachman Valley RR.

See Hanover Junction, Hanover and Gettysburg RR.

34 Baie des Chaleurs Ry.—Metapedia to Gaspé, P. Q., 175 miles. Under construction.

1 T. Robitaille	*President*	Quebec, Que.
2 L. J. Riopel	*Man. Director*	" "
3 L. A. Robitaille	*Sec. & Treas.*	" "
4 C. N. Armstrong	*Contractor*	Montreal, Que.
5 J. F. Armstrong	*Superintend't.*	Cross Point, Que.

General office, Quebec, Que. Repair Shops at Metapedia, Que.

35 Baltimore and Delaware Bay RR.—Pierson's Cove to Chestertown, 41 miles; Nicholson branch, 9 miles.

1 John F. Ingham	*President*	New York, N. Y.
2 Frank L. Hall	*Secretary*	" "
3 Robt. W. de Forest	*Treasurer*	" "
4 Fred. Gerker[1 2 3 4 5]	*Gen. Manager*	Philadelphia, Pa.
5 L. D. Bruyn	*Ch'f Engineer*	Chestertown, Md.

General office, Chestertown, Md.

36 Baltimore and Hanover RR.

See Hanover Junction, Hanover and Gettysburg RR.

37 Baltimore and Ohio RR.—Main Stem, Baltimore to Wheeling, 379 miles; branches of main stem, 352 miles—total, 731 miles. *For other lines, see below.*

1 Robert Garrett	*President*	Baltimore, Md.
2 Samuel Spencer	*Vice-President*	" "
3 Thos. M. King	*2d Vice-Pres.*	" "
4 Orland Smith	*3d Vice-Pres.*	Cincinnati, O.
5 J. W. Davis	*1st Ass't to Pres*	Baltimore, Md.
6 Andrew Anderson	*Ass't to Pres.*	" "
7 W. T. Barnard	*Ass't to Pres.*	" "
8 W. H. Ijams[3 9 *]	*Sec. & Treas.*	" "
9 A. Gordon Jones	*Ass't Manager*	" "
10 F. Harriott	*Gen. Fgt. Agt.*	" "
11 C. E. Ways	*Ass't Gen. F.A.*	" "
12 C. S. Wight	*Ass't Gen. F.A.*	Pittsburgh, Pa.
13 C. K. Lord	*Gen. Pass. Agt.*	Baltimore, Md.
14 Chas. O. Scull	*Ass't G.P. Agt.*	" "
15 L. M. Cole	*Gen. Tkt. Agt.*	" "
16 Wm. T. Thelin[8]	*Gen. Auditor.*	" "
17 Wm. M. Buchanan[3]	*Aud. of Rev.*	" "
18 A. F. Dunlevy	*Aud. of Disb.*	" "
19 N. S. Hill	*Purch. Agent.*	" "
20 P. H. Irwin	*Res. Engineer.*	" "
21 H. T. Douglas	*C. Eng Phil. Ex*	" "
22 J. L. Randolph	*Cons. Engineer*	" "
23 J. K. Cowen	*Gen. Counsel.*	" "
24 J. V. Smith	*Gen. Bag. Agt.*	" "
25 D. F. Maroney[7 8 11]	*M. Car. Rec. O.*	" "
26 W. H. Harrison	*Supt. Motive P.*	" "
27 John Bradshaw	*Supt. of Const.*	" "
28 E. W. Grieves	*Mast. Car B'r.*	" "
29 H. Carlton	*Ass't Mast. C.B*	Newark, O.
30 J. S. Merrill	*Supt. Sleep. C.*	Baltimore, Md.
31 B. F. Bond	*Div. Pass. Agt.*	" "
32 C. P. Craig	*G. East. Pas. A.*	New York, N. Y.
33 T. H. Dearborn	*G.N.W. Pas. A.*	Chicago, Ill.
34 A. P. Bigelow	*Gen. Agt. (Fgt.)*	" "
35 John H. Weeks	*Gen. Agt. (Fgt.)*	Philadelphia, Pa.
36 A. C. Rose	*Gen. Agt. (Fgt.)*	New York, N. Y.
37 Geo. D. De Shields	*Supt. of Hotels*	Queen City H., Cumb'land, Md.

☞ *See note of explanation on first page.*

Fine Coach and Railway Varnishes.

Clarence Brooks & Co.

MANUFACTURERS OF

VARNISHES.

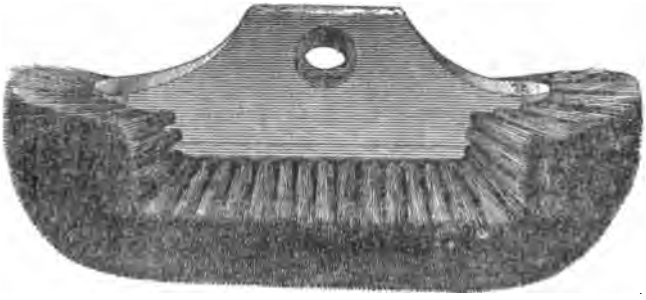
Corner West & West 12th Streets,

NEW YORK.

SEND FOR PRICE LIST.

BRADLEY & SMITH,

Manufacturers of Star Brand



BRUSHES

CAR WASHES,

Copper-fastened and Wood Soaked in Oil. Some of the large Rail Road Companies call it the Best in the Market.

251 Pearl Street, New York.

37 Baltimore and Ohio RR.—*Continued.*

MAIN STEM DIVISION.

38 D. Lee	*Gen. Supt.*	Baltimore, Md.
39 Thos. Fitzgerald	*Supt. E. Div.*	" "
40 Chas. Dunlap	*Supt. W. Div.*	Grafton, W. Va.
41 A. H. Johnson	*Supt. V. Div.*	Winchester, Va.
42 J. A. Hunter	*Road Master*	Grafton, W. Va.
43 B. F. F. Fendall	*Road Master*	Baltimore, Md.

44 *Master Mechanics.*—Andrew Beckert, Mt. Clare, Baltimore, Md.; Wm. Edwards, Martinsburg, W. Va.; H. N. Wineow, Cumberland, Md.; Samuel Houston, Piedmont, W. Va.; S. B. Crawford, Grafton, W. Va.; Alex. Laird, Wheeling, W. Va.

45 *General Foremen.*—F. R. Prendfoot, Camden Station, Baltimore, Md.; G. W. Humphreys, Washington, D. C.; Thos. Trezise, Sandy Hook, Md.; P. Hayden, Parkersburg, W. Va.; Isaac Hussey, T. A. Smith, John Marshall, J. A. Ringrose, Baltimore, Md.; W. B. McClung, Wheeling, W. Va.

46 E. L. Bigelow	*Mast. C. Paint.*	Baltimore, Md.
47 J. H. Stout		Grafton, W. Va.

TRANS-OHIO DIVISION.

48 T. J. Frazier	*Ass't Engineer*	Newark, O.
49 W. E. Reppert	*Div. Pass. Agt.*	Columbus, O.
50 Jas. C. Lanius	*Div. Tkt. Agt.*	" "
51 E. M. Davis	*Div. Ft. Agt.*	Tiffin, O.
52 E. T. Affleck	*Div. Ft. Agt.*	Columbus, O.
53 W. T. Manning	*D. S. Ohio Div.*	Newark, O.
54 R. T. Devries	*As. Su. O. Div.*	" "
55 E. L. Weisgerber	*M. M. Ohio Div.*	" "
56 F. H. Britton	*D. Sup. Chic. D*	Garrett, Ind.
57 John Merrion	*R. M. Chic. D.*	" "
58 B. F. Lowther	*M. M. Chic. D.*	" "
59 Alex. Laird	*Master Mechs.*	Bellaire, O.
60 Thomas Taylor		Sandusky, O.
61 M. H. Scovill	*Gen. Foremen.*	Columbus, O.
62 H. M. Ingler		Chicago Jct., O.
63 C. H. Campbell		So. Chicago, Ill.
64 A. J. Moriarty	*M. Car Paintr.*	Newark, O.
65 W. McNabb		Garrett, Ind.

PHILADELPHIA DIVISION.

66 W. Irwin	*Superintend't.*	Philadelphia, Pa.
67 W. A. Pratt	*Road Master.*	" "

PITTSBURGH DIVISION.

68 J. V. Patton	*Superintend't.*	Pittsburgh, Pa.
69 E. D. Smith	*Div. Pass. Agt.*	" "
70 T. W. Galleher	*Div. Ft. Agt.*	" "
71 C. T. Manning	*Road Master*	" "
72 I. N. Kalbaugh	*Master Mech.*	Glenwood, Pa.
73 I. E. Wood	*G. Foreman*	" "

Express and Telegraph.

74 W. H. Trego	*Gen. Man. Ex*	Baltimore, Md.
75 W. H. Snyder	*Supt. Express.*	Newark, O.
76 Chas. Mendenhall	*Supt. Express.*	Cincinnati, O.
77 T. H. Walker	*Supt. Express.*	Chattan'ga, Tenn.
78 C. S. Sedgwick	*General Agent*	New York, N. Y.
79 D. H. Bates	*Pres. & Gn. Mgr. Teleg*	" "
80 C. Selden	*Gen. Supt. Tel.*	Baltimore, Md.

ASSOCIATED LINES—BALTIMORE & OHIO RR.

(*a*) *Baltimore and Philadelphia.*—Wilmington to Landenburg, 20 miles.

1 J. B. Washington	*President*	Pittsburgh, Pa.
2 S. Spencer	*Vice-President*	Baltimore, Md.
3 J. C. Farra	*Secretary*	Wilmington, Md.
4 W. H. Ijams	*Treasurer*	Baltimore, Md.
5 W. T. Thelin	*Auditor*	" "
6 W. Irwin	*Superintend't.*	Philadelphia, Pa.

General office, Baltimore, Md.

(*b*) *Pittsburgh Junction RR.*—Langhlin Station to Pittsburgh and Western Connection, 4 miles, with branch of 1 mile.

1 Thomas M. King	*President*	Baltimore, Md.
2 C. H. H. German	*Secretary*	Allegheny, Pa.
3 W. H. Ijams	*Treasurer*	Baltimore, Md.
4 J. Morton Hall	*Superintend't.*	Pittsburgh, Pa.

General office, Allegheny, Pa.

37 Baltimore and Ohio RR.—*Continued.*

(*c*) *Pittsburgh and Western RR.*—Western Division: Allegheny City to Newcastle, 64 miles; Northern Division: Callery Junction to Mt. Jewett, 187 miles; branches, 114 miles.

1 James Callery	*Receivers*	Allegheny, Pa.
2 John W. Chalfant		" "
3 James Callery	*President*	" "
4 Thomas M. King	*V.-P. & G. M.*	Baltimore, Md.
5 J. Morton Hall[6]	*Supt. Express.*	Pittsburgh, Pa.
6 H. D. Campbell[349:0]	*Secretary* / *Treas. for Re.*	Allegheny, Pa.
7 C. S. Wight	*Gen. Fgt. Agt.*	Pittsburgh, Pa.
8 W. L. Cromlish	*Ass't G. F. A.*	" "
9 C. W. Bassett	*G. P. & Tkt. A.*	Allegheny, Pa.
10 J. L. Kirk[2 8]	*Auditor*	" "
11 J. T. Johnson	*Superintend't.*	" "
12 Sam'l D. Culbertson	*Cont'g Agent.*	Pittsburgh, Pa.
13 W. D. Reed	*M. Tran. W. D.*	Warren, O.
14 G. L. Lewis	*M. Tran. N. D.*	Foxburg, Pa.
15 W. M. Flahavhan	*Master Mech.*	Allegheny, Pa.
16 A. D. Cowles	*Road Mast.*	Foxburg, Pa.
17 J. W. Kelly		Youngstown, O.
18 J. J. Saint	*Gen. Agent*	Allegheny, Pa.

General office, Allegheny, Pa.

(*d*) *Salisbury RR.*—Salisbury Junction to West Salisbury, 9 miles, with branches, 3 miles.

1 J. B. Washington	*Sec. & Treas.*	Pittsburgh, Pa.
2 J. V. Patton	*Superintend't.*	" "

(*e*) *Sharpsville RR.*—Sharpsville to Wilmington Junction, 17 miles; branch, 6 miles.

1 Thomas M. King	*Pres. & Gen. M.*	Baltimore, Md.
2 J. B. Washington[7811]	*V.-P., Tre. & Audit'r.*	Pittsburgh, Pa.
3 S. K. Harris	*Secretary*	" "
4 William Trnby	*Ass't Gen. Man*	Sharpsville, Pa.
5 T. W. Galleher	*Gen. Fgt. Agt.*	Pittsburgh, Pa.

General office, Sharpsville, Pa.

(*f*) *Valley RR.* (*Virginia*).—Harrisonburg to Lexington, 62 miles.

1 S. Spencer	*President*	Baltimore, Md.
2 W. H. Ijams	*Treas. & Sec.*	" "
3 J. L. Randolph	*Chief Engineer*	" "
4 James W. Davis	*Road Master.*	Staunton, Va.

General office, Staunton, Va.

(*g*) *Wheeling, Pittsburgh and Baltimore RR.*—Washington to Wheeling, 32 miles.

1 J. B. Washington	*President*	Pittsburgh, Pa.
2 W. H. Ijams	*Treasurer*	Baltimore, Md.
3 F. R. Pinkerton	*Secretary*	Pittsburgh, Pa.

General office, Pittsburgh, Pa.

(*h*) *Baltimore and Ohio Short Line RR.*—Glenwood Junction to Washington, Pa., 34 miles.

1 Thomas M. King	*President*	Baltimore, Md.
2 J. B. Washington	*Secretary*	Pittsburgh, Pa.
3 W. H. Ijams	*Treasurer*	Baltimore, Md.

(*i*) *Somerset and Cambria.*—Rockwood Junction to Johnstown, Pa., 45 miles.

1 J. B. Washington	*President*	Pittsburgh, Pa.
2 F. R. Pinkerton	*Secretary*	" "
3 W. H. Ijams	*Treasurer*	Baltimore, Md.

General office (B. & O. RR.), Central Building, Baltimore, Md.

38 Baltimore and Philadelphia RR.

See Baltimore and Ohio RR.

39 Baltimore and Potomac RR.

See Pennsylvania System.

40 Bangor and Katahdin Iron Works Ry.—Milo Junction to Katahdin Iron Works, 19 miles.

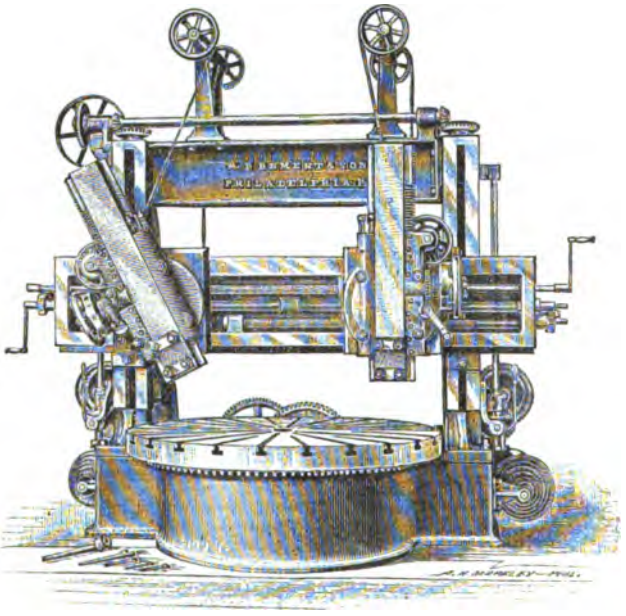
1 Charles V. Lord	*President*	Bangor, Me.
2 Frank W. Cram	*Treas. & Supt.*	" "

☞ *See note of explanation on first page.*

BEMENT, MILES & CO.,

Philadelphia, Pa.,

BUILDERS OF



METAL-WORKING MACHINE TOOLS

—FOR—

RAILROAD SHOPS,

Locomotive and Car Builders.

41 Bangor and Piscataquis RR.—Oldtown to Greenville, 76 miles

1 W. B. Hayford	*President*	Bangor, Me.
2 H. W. Blood[3 4 7 8]	*Sec. Tr. & Tr. A*	" "
3 Arthur Brown[1 2 5]	*Gen. Supt. & G. Fgt. & Tkt. Agt*	" "
4 C. S. Nason	*Master Mech.*	" "
5 J. W. Comins	*Mas. Car. Rep.*	Oldtown, Me.
6 C. H. Sawyer	*Supt. Tel.*	Bangor, Me.
7 J. Farquhar	*Road Master*	Oldtown, Me.

Repair Shops at Oldtown, Me. General office, Bangor, Me.

42 Bangor and Portland Ry.—Portland to Nazareth, 25 miles; branch, 5 miles.

1 C. Miller[1 2 3 4 5]	*Pres. & Gen. M.*	Bangor, Pa.
2 D. C. Blair	*Vice-President*	Belvidere, N. J.
3 Geo. W. Mackey	*Secretary*	Bangor, Pa.
4 John I. Miller	*Treasurer*	Portland, Pa.
5 John D. Vail	*Ass't Gen. Mn.*	Blairstown, N. J.
6 C. N. Miller	*Gen. F. & P. Ag*	Bangor, Pa.
7 Wm. M. Benett	*Aud. & Gen. A.*	" "
8 E. G. Wire	*Chief Engineer*	Belvidere, N. J.
9 J. S. Hough	*Mast. of Mech.*	Nazareth, Pa.
10 David Vankirk	*Mast. Car B'r.*	Bangor, Pa.
11 C. B. Quick	*Supt. of Tel.*	Portland, Pa.
12 Geo. W. Stuyvesant	*Road Master*	Nazareth, Pa.

General offices, Bangor, Pa.

43 Barclay Coal RR.

See New York, Lake Erie and Western RR.

44 Bartlett and Albany RR.—Projected from Bartlett, N. H., to Albany, Me., of which completed, 6 miles.

45 Batesville and Brinkley RR.—Brinkley to Jacksonport, 60 miles.

1 R. W. Martin	*President*	Little Rock, Ark.
2 W. J. Thompson	*G. Mg. Sec. Tre. & Au.*	" "
3 John T. Flynn	*G. Spt. Fgt & Tkt. Agt.*	Brinkley, Ark.
4 E. G. Thompson	*Gen. Pas. Agt.*	Augusta, Ark.
5 John White	*Master Mach.*	Little Rock, Ark.
6 Charles Newell	*Forem. Cr. Rep*	Brinkley, Ark.

General offices, Little Rock, Ark.

46 Bath and Hammondsport RR.—Bath to Hammondsport, 10 miles.

1 G. W. Nichols	*President*	Hamm'dep't, N.Y.
2 H. S. Stebbins[3 4 5]	*Les. G. M. & Au*	" "
3 Jonathan Robie	*Vice-President*	Bath, N. Y.
4 H. H. Cook	*Treasurer*	" "
5 J. W. Davis	*Secretary*	Hamm'dep't, N.Y.
6 M. H. Hall[1 2]	*Su. & Gn. Ft. A.*	" "
7 S. S. Fairchild	*Gen. Tkt., P. & Ex. A.*	" "
8 Allen Wood	*Traffic Man.*	" "
9 John Fogarty	*Road Master*	" "
10 S. S. Reynolds	*Engineer*	" "

General office, Hammondsport, N. Y.

47 Bay of Quinte Railway and Navigation Co.

See Napanee, Tamworth and Quebec Ry.

48 Bear Lake and Eastern RR.—Pierpont to Cleon, 26 miles.

1 G. W. Hopkins[4 5 10]	*President*	Bear Lake, Mich.
2 D. H. Hopkins[7 8 9 11]	*Secretary*	" "
3 E. Hopkins[9]	*Treasurer*	" "
4 M. J. Hopkins[1 2 6]	*Superintend't.*	" "
5 John W. Hills	*Gen. Fgt. Agt.*	" "

Repair Shops at Bear Lake, Mich. General office, Bear Lake, Mich.

49 Bee Line.—Composed of the roads named below:

(a) General Operating Officers.

1 G. M. Beach	*Gen. Man.*	Cleveland, O.
2 O. B. Skinner	*Traffic Man.*	" "
3 D. B. Martin	*Gen. P. & T. A.*	" "

49 Bee Line—General Operating Officers.—*Continued.*

4 Edgar Hill	*Gen. Fgt. Agt.*	Cleveland, O.
5 Albert S. White	*Ass't Fgt. Agt.*	" "
6 D. M. Calkins	*Gen. Bag. Agt.*	" "
7 P. A. Hewitt[2 7 8]	*Auditor*	" "
8 B. F. Whitman	*Fg. & Tk. Acct.*	" "
9 E. E. Kreuthoffer	*Trav. Auditor*	" "
10 C. J. Fellows[11]	*Car Account't.*	" "
11 E. C. Sheldon	*Paymaster*	" "
12 J. L. Yale	*Purch. Agent.*	" "
13 T. J. Higgins	*Supt. Tel.*	" "

(b) Passenger and Freight Agents.

Joint Agents C. C. C. & I. and I. & St. L. Rys.

1 W. R. Hills	*Gen. Agent*	Louisville, Ky.
2 T. S. Timpson	*Gen. East. Agt.*	New York, N. Y.
3 H. A. Hills	*Live Stock Agt.*	Cincinnati, O.
4 J. Q. Van Winkle	*Div. Fgt. Agt.*	Indianapolis, Ind.
5 G. T. Sullivan	*Contract Agt.*	" "
6 C. S. Leftwich	*Live Stock Agt.*	" "
7 J. F. Ewing	*Div. Fgt. Agt.*	Cincinnati, O.
8 G. W. Kendrick	*Trav. Fgt. Ag.*	Marion, O.
9 A. M. Stewart	*G. Live S. Ag.*	Cleveland, O.
10 R. B. Whitney	*Trav Pass. A.*	New York, N. Y.
11 M. T. Donohue	*N. E. Pass. Agt.*	Boston, Mass.
12 D. Jay Collver	*Pass. Agent*	Cleveland, O.
13 J. De Wolfe	*Pass. Agent*	Columbus, O.
14 T. C. Peck	*Pass. Agent*	Indianapolis, Ind.
15 J. E. Reeves	*Gen. So. Agt.*	Cincinnati, O.
16 F. G. Robbins, Jr	*St. Tr. Pass. A.*	Louisville, Ky.
17 W. J. Nichols	*Gen. West. Agt.*	St. Louis, Mo.
18 L. Snyder	*City Pass. Agt.*	" "
19 W. F. Snyder	*Trav. Pass. A.*	Kansas City, Mo.
20 J. L. A. Thomas	*Trav. Pass. A.*	Dallas, Tex.

Special Agents C., C., C. & I. Ry.

21 Fred. Raine	*Div. Fgt. Agt.*	Cincinnati, O.
22 W. S. Morrill	*Contract. Agt.*	" "
23 Geo. Krause, Jr.	*Contract. Agt.*	Cleveland, O.
24 G. T. Chamberlain	*Contract. Agt.*	Columbus, O.
25 J. B. Ablewhite	*Contract Agt.*	Cleveland, O.
26 G. T. Sullivan	*Contract. Agt.*	Indianapolis, Ind.
27 C. E. Finney	*Contract. Agt.*	Kansas City, Mo.
28 W. H. Tumy	*Depot Master*	Cincinnati, O.
29 J. P. Minnick	*Pass. Agent*	Cleveland, O.
30 J. L. Miller, Jr.	*Pass. Agent*	Dayton, O.
31 E. L. Patterson	*Trav. Pass. A.*	Cleveland, O.
32 A. M. Schwartz	*City Pass. A.*	Cincinnati, O.
33 John Howard	*Trav. Pass. A.*	Forth Worth, Tex.

Special Agents Indianapolis & St. Louis Ry.

34 M. S. Wasson	*Div. Fgt. Agt.*	St. Louis, Mo.
35 E. A. Clapp	*Live Stock Agt.*	" "
36 Jos. G. Miller	*Contract. Agt*	" "
37 O. G. Fetter	*Contract. Agt.*	Cincinnati, O.

(c) Corporate Officers.

Cleveland, Columbus, Cincinnati and Indianapolis Ry.—Columbus Division: Cleveland to Columbus, 138 miles; Cincinnati Division: Delaware to Cincinnati, 180 miles; Indianapolis Division: Galion to Indianapolis, 203 miles; with branch, 2 miles.

1 James D. Layng	*President*	New York, N. Y.
2 G. H. Russell[2 4 9 10]	*Sec. & Treas.*	Cleveland, O.
3 G. S. Russell	*As. Sec. & Tr.*	" "
4 H. H. Poppleton	*Gen. Attorney.*	" "
5 H. K. Devereux	*Registrar.*	" "

Indianapolis & St. Louis Ry.—Indianapolis to St. Louis, 265 miles.

6 Stevenson Burke	*President.*	Cleveland, O.
7 G. H. Russell[3 4 9 10]	*Sec. & Treas.*	" "
8 G. S. Russell	*Ass't Treas.*	" "
9 J. T. Dye	*Gen. Attorney.*	" "
10 J. T. Wann	*Transfer Agt.*	" "
11 H. K. Devereux	*Registrar.*	" "
12 O. G. Fetter	*Cont'g Agt.*	Cincinnati, O.

Dayton and Union RR.—Union City to Dayton, 47 miles.

13 C. C. Waite	*President*	Cincinnati, O.
14 G. M. Beach	*V.-P. & G. Man*	Cleveland, O.
15 Geo. S. Russell	*Sec. & Treas.*	" "
16 R. D. Marshall	*Gen. Attorney.*	Dayton, O.

☞ *See note of explanation on first page.*

THE EPPINGER & RUSSELL
CREOSOTING WORKS

Foot of 6th Street, Gowanus Canal, Brooklyn.

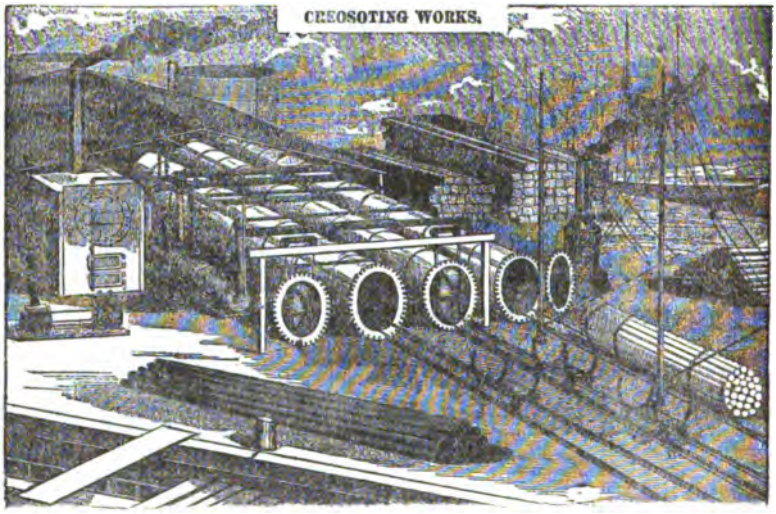
NEW YORK OFFICE, 160 WATER ST.

TIMBER CREOSOTED BY OUR IMPROVED PROCESS.

Creosoted Piles and Railroad Ties furnished.

GEO. S. VALENTINE, Manager.

Introduced in 1838, and up to 1886 **dead Oil of Coal Tar** is the only known product that will preserve timber for all purposes. Approved by the "Committee on the Preservation of Timber" of the American Society of Civil Engineers. We use only the above Oil.



Reference is made to the following, being a few of those who have used our timber since 1879:

FOR DYKES.—Gen. Newton, U.S.A.; Gen. Gillespie, U.S.A.; Gen. McFarland, U.S.A.

FOR BREAKWATERS.—Gen. Robert, U.S.A.; Gen. Macomb, U.S.A.; Gen. Weitzel, U.S.A.

FOR WHARFS.—Gen. Abbott, U. S. A.; Hoadley & Co., New York, Wharfs, Port Limon, Costa Rica; National Storage Co., New York; Department of Docks, New York; Tampa Bay R. R., Florida; S. S. Asserson, C. E., Navy Yard; N. E. R. R., Charleston; Grand Trunk R. R., Canada; Lehigh Valley R. R., Philadelphia; Philadelphia and Reading R. R., Philadelphia; Juragua Iron Co., Santiago de Cuba.

FOR BRIDGES.—N. Y. Brooklyn Bridge, New York; A. P. Boller, C.E., New York.

FOR BLOCKS.—J. T. Pierson, Cape Haytien.

FOR SEWERS.—A. B. Hill, C. E., New Haven, Ct.

FOR UNDERGROUND CONDUITS.—N. Y. & N. J. Tel. Co., Brooklyn.

FOR DRY DOCKS.—J. & J. Yorston, Pictou, N. S.

EPPINGER & RUSSELL,

MANUFACTURERS OF

YELLOW PINE LUMBER.

SHIPPING PORTS:
JACKSONVILLE, FLORIDA.
FERNANDINA, "
KINGS FERRY, "
PENSACOLA, "
MOBILE, ALA.

No. 160 WATER STREET,

NEW YORK.

LUMBER FOR SOUTH AMERICA, WEST INDIES, SHIP BUILDING, RAILROADS AND OTHER PURPOSES.

CUT TO ORDER.

49 Bee Line—*Continued.*

(*d*) TRANSPORTATION DEPARTMENT.

Columbus and Cincinnati Div., C., C., C. & I. Ry.

1	R. Blee	*Superintend't.*	Cleveland, O.
2	C. J. Stedwell	*Train Master*	" "
3	T. J. Costello	*Ass't Train M.*	" "
4	E. A. Peck	*Train Master.*	Cincinnati, O.
5	I. G. Rawn	*Ass't Train M.*	Delaware, O.

Indianapolis Division, C., C., C. & I. Ry.

6	J. O. Ewan	*Superintend't.*	Indianapolis, Ind.
7	C. A. Allen	*Train Master.*	Union, Ind.

Indianapolis and St. Louis Ry.

8	T. W. Burrows	*Superintend't.*	St. Louis, Mo.
9	A. M. Mozier	*Train Master.*	Mattoon, Ill.

(*e*) MECHANICAL DEPARTMENTS.

Cleveland, Columbus, Cincinnati and Indianapolis Ry.

1	W. F. Turreff	*G. Mast. Mech.*	Cleveland, O.
2	E. E. Hudson	*Ma. M. all shops*	" "
3	T. A. Lawes	*Gen. For. M.S.*	" "
4	A. G. Steinbrenner	*Gen. F. Car D*	" "
5	J. R. Cushing	*For. Boil. Shop*	" "
6	M. P. McGregor	*For. Smith Sh.*	" "
7	E. O. Connors	*For. Tin Shop.*	" "
8	J. Eichorn	*For. Cabinet S.*	" "
9	F. Frey, Sr	*For. Pai't Shop*	" "
10	D. Renton	*For. Pass. Rep.*	" "
11	F. Hicks	*For. Fgt. Rep.*	" "
12	E. C. Pearse	*For. Fgt. Rep.*	Linndale, O.
13	William Coombs	*For. Pass. Rep.*	Old Pass Depot, Cleveland, O.
14	Wm. Doncaster	*For. Fgt. Rep.*	Grafton, O.
15	A. J. Ball	*For. Cars & Lo.*	Columbus, O.
16	J. H. Berry	*As. M. Mch All Shops*	Delaware, O.
17	W. C. Woodbury	*Ma. Mach. Shop*	" "
18	J. Connolly	*For. Boiler Sh.*	" "
19	J. A. Purkey	*For. Smith Sh.*	" "
20	A. J. Bishop	*For. Paint Sh.*	" "
21	J. Saulter	*For. P. & F. Re.*	" "
22	J. Carlisle	*For. P. & F. Re.*	Springfield, O.
23	H. S. Gordon	*For. P. F. & L. R.*	Dayton, O.
24	Wm. Curry	*For. P. & F. Re.*	Cincinnati, O.
25	J. H. Alexander	*Fore. Loc. Rep.*	" "
26	J. Spittle	*Fore. Loc. Rep.*	Galion, O.
27	T. Stewart	*Fore. Car Rep.*	" "
28	H. G. Beckhold	*F. L. & Car Rep*	Union City, Ind.
29	Wm. Garstang	*M. M. all Shops*	Brightwood, Ind.
30	C. Quandt	*Gen. F. Mach. S*	" "
31	J. H. Filcer	*For. Boiler Sh.*	" "
32	Z. Sanders	*For. Smith Sh.*	" "
33	A. T. Prohm	*For. Tin Shop.*	" "
34	N. Mark	*Gen. F. Car D.*	" "
35	H. Block	*For. Pai't Shop*	" "
36	J. M. Bruner	*For. P. Car Rep*	" "
37	H. Geisel	*For Fg. Car R.*	" "

Indianapolis and St. Louis Ry.

38	Wm. Garstang	*M. M. all Shops*	Brightwood, Ind.
39	W. P. Orland	*As. M. M. all S.*	Mattoon, Ill.
40	J. H. Filcer	*For. Boiler Sh.*	Brightwood, Ind.
41	W. B. Frazier	*For. Smith Sh.*	Mattoon, Ill.
42	O. B. Weber	*For. Tin Shop.*	" "
43	N. Mark	*Gen. F. Car D*	Brightwood, Ind.
44	H. Wright	*For. Pai't Shop*	Mattoon, Ill.
45	M. Leuschen	*For. Fgt. Car R*	" "
46	C. J. Thompson	*For. Loc. Dep.*	E. St. Louis, Ill.
47	C. J. McFadden	*For. Car Dep.*	" " "
48	J. Senn	*For. Car Dep.*	St. Louis, Mo.

(*f*) ROADWAY DEPARTMENT.

Cleveland, Columbus, Cincinnati and Indianapolis Ry.

1	W. C. Irwin	*G. R. M. & C. E.*	Cleveland, O.
2	M. Maxwell	*Supt. of Const.*	" "
3	C. Potter	*Road Master*	Delaware, O.
4	M. Bowen	*Road Master*	Dayton, O.
5	H. Gardiner	*Road Master*	Bellefontaine, O.
6	H. O. Eastman	*Road Master*	Union City, Ind.
7	T. S. Marvin	*Gen. Foreman.*	Shelby, O.
8	M. F. Potter	*Gen. Foreman.*	Franklin, O.
9	D. S. Elliott	*Gen. Foreman.*	Bellefontaine, O.
10	J. Klump	*Gen. Foreman.*	Union City, Ind.

49 Bee Line—*Continued.*

Indianapolis and St. Louis Ry.

11	W. C. Irwin	*G. R. M. & C. E.*	Cleveland, O.
12	M. Maxwell	*Superintend't.*	" "
13	William Henry	*Road Master*	Indianapolis, Ind.
14	C. Reagan	*Ass't Road M.*	" "
15	J. Keenan	*Ass't Road M.*	Mattoon, Ill.
16	Q. McNabb	*Gen. Foreman.*	" "

Dayton and Union RR.

17	W. F. Stark	*Superint'd't & Gen. Road M.*	Dayton, O.

General office (C., C., C. & I. Ry.), Cleveland, O. Transfer Agent & Registrar of Stock, United States Trust Co., New York, N. Y. General office (Ind'p'l's & St. L. RR.), Indianapolis, Ind. Financial Agency, United States Trust Co., New York, N. Y. Transfer office, Cleveland O. General office (Dayton & Union RR.), Dayton, O. Transfer office, Cleveland, O.

50 Beech Creek RR.—Williamsport to Gazzam (including trackage), 120 miles; branches, 25 miles.

1	Wm. A. Wallace	*President*	Clearfield, Pa.
2	C. Vanderbilt	*Vice-President*	New York, N. Y.
3	Allyn Cox	*Sec. & Treas.*	" "
4	George J. Magee	*Gen. Manager*	Corning, N. Y.
5	A. G. Palmer	*Superintend't.*	Jersey Shore, Pa.
6	F. E. Herriman[3]	*G. F. & P. A.*	" "
7	G. E. Hustis[3 4 9 10]	*Cash. & Paym.*	" "
8	W. H. Herrick	*Auditor*	" "
9	S. R. Peale	*Gen. Solicitor.*	Lock Haven, Pa.
10	C. McCollum	*Engineer*	Jersey Shore, Pa.
11	J. Stark, Jr.[7 8]	*Car Account't*	" "
12	L. Ames	*Master Mech.*	" "
13	W. L. McGarr	*Road Master*	Lock Haven, Pa.
14	B. F. Fields	*Fmn. Eng. Ho.*	Jersey Shore, Pa.
15	A. L. Dravenstadt	*Fmn Wood W. & Cr. D*	" "

General office, Jersey Shore, Pa. Transfer office, Grand Central Depot, New York, N. Y.

51 Bellaire and St. Clairsville Ry.—St. Clairsville to St. Clairsville Junction, 7 miles.

1	John T. Troll	*President*	St. Clairsville, O.
2	J. R. Mitchell	*V.-P. & Treas*	" "
3	C. W. Troll[6]	*Gen. Manager.*	" "
4	A. H. R. Troll	*Secretary*	" "
5	John Baugh	*Supervisor*	" "

General office, St. Clairsville, O.

52 Bellaire, Zanesville and Cincinnati Ry.—Bellaire to Zanesville, 112 miles.

1	I. H. Burgoon	*Rec. & G. Mgr*	Zanesville, O.
2	S. L. Mooney	*President*	Woodsfield, O.
3	M. Churchill	*Vice-President*	Zanesville, O.
4	J. M. Miller	*G. F. & P. A.*	" "
5	T. M. Hobart	*Auditor*	" "
6	J. K. Geddes	*C. E. & M. M.*	" "
7	James Irvine	*Gen. Counsel*	" "
8	J. B. Rhodes	*Train Master.*	" "
9	J. W. Gregg	*M. M. & Car R.*	" "

General office, Zanesville, O.

53 Bell's Gap RR.—Bellwood to Irvona, 25 miles.

1	Chas. F. Berwind	*President*	Philadelphia, Pa.
2	J. G. Cassatt	*Treasurer*	" "
3	Frank S. Lewis	*Secretary*	" "
4	R. G. Ford[5]	*Gen. Supt.*	Bellwood, Pa.
5	F. L. Faries	*Chief Eng.*	" "
6	G. Van Brunt	*Master Mech.*	" "
7	A. Zimmerman	*Fmn Car Rep.*	" "
8	Thomas Beard	*Supervisor*	" "

General office, Philadelphia, Pa.

54 Belt Railway of Chicago.

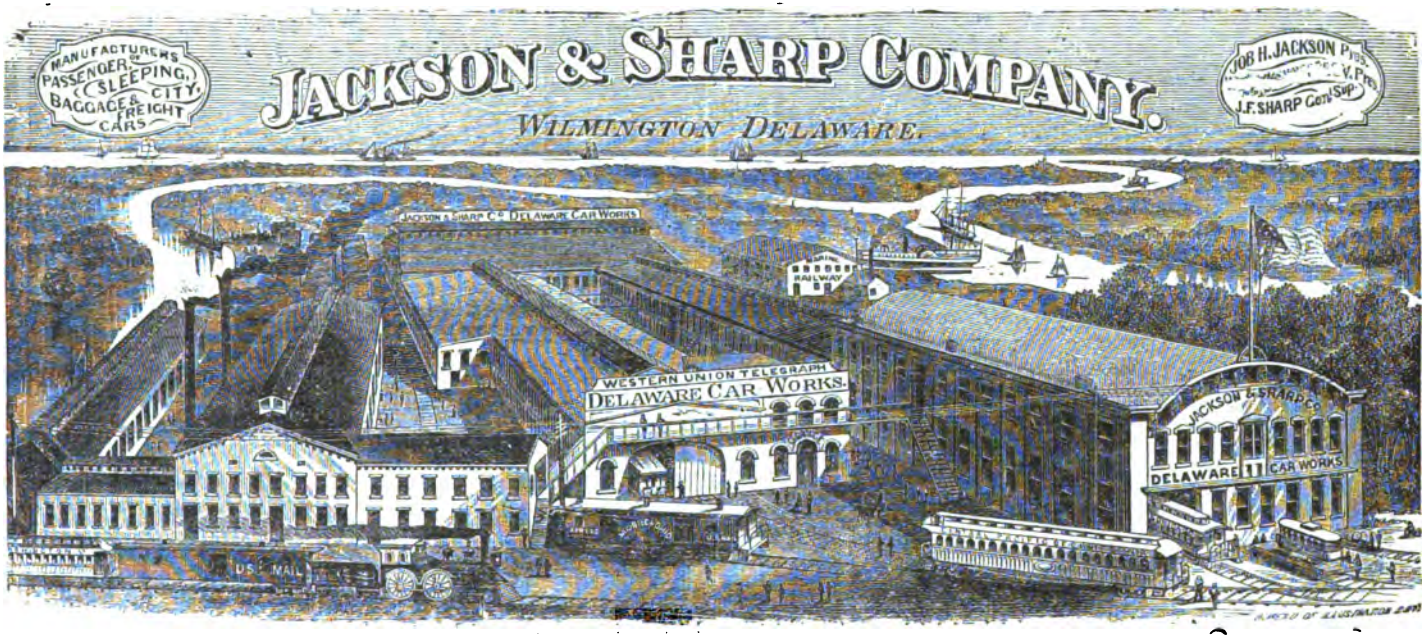
See Chicago and Western Indiana RR.

55 Belt Railroad (and Stock Yard).—Around Indianapolis, 15 miles.

1	Wm. R. McKeen	*President*	Terre Haute, Ind.
2	Horace Scott	*Vice-President*	Indianapolis, Ind.

☞ *See note of explanation on first page.*

Delaware Car Works.



Manufacturers of Sleeping, Saloon, Drawing-Room and Passenger Cars.

EMPLOY 1000 MEN. SPECIAL ATTENTION GIVEN TO NARROW-GAUGE CARS AND SECTIONAL WORK FOR EXPORTATION.

New York Office: 115 BROADWAY.

55 Belt Railroad (and Stock Yard)—*Continued.*

3 R. S. McKee	*Sec. & Treas.*	Indianapolis, Ind.
4 W. P. Ijams	*Supt. & Aud.*	" "

56 Bennington and Glastenbury RR.—Bennington to Glastenbury, 9 miles.

1 Russell C. Root	*President*	New York, N. Y.
2 Geo. W. Harman	*Secretary*	Bennington, Vt.
3 Amos Aldrich	*Gen. Supt.*	" "
4 C. C. Clapp	*Mast. of Mach.*	" "

General office, Bennington, Vt.

57 Bennington and Rutland Ry.—Rutland to Bennington, 57 miles, with branch, 2 miles.

1 J. G. McCullough	*President*	N.Bennington,Vt.
2 F. B. Jennings	*Vice-President*	New York, N. Y.
3 G. W. Harman	*Secretary*	Bennington, Vt.
4 C. E. Houghton[3 4 9 10]	*Treasurer*	N.Bennington,Vt.
5 E. D. Bennett[4]	*Sup. & Pur. A.*	Bennington, Vt.
6 H. W. Spafford	*G. F. & P. A.*	Rutland, Vt.
7 W. G. Shaw[2 7 8]	*Auditor*	N.Bennington,Vt.
8 A. G. Coomer	*C. E. & R. M.*	" "
9 Chas. J. McMaster	*Master Mech.*	Rutland. Vt.
10 A. G. Coomer	*Sup.Bridges*	N.Bennington,Vt.

General office, N. Bennington, Vt.

58 Berlin Branch RR.

See Hanover Junction, Hanover and Gettysburg RR.

59 Big Level and Kinzua RR.—Mt. Jewett to Ormsby Junction, 11 miles.

1 Elisha Kent	*President*	Kane, Pa.
2 D. T. Hall	*Secretary*	" "
3 J. D. Brooder	*Treasurer*	" "

60 Birmingham, Selma and New Orleans Ry. (late New Orleans and Selma RR.).—Selma to Martin's Station, 21 miles.

1 A. W. Jones	*President*	Selma, Ala.
2 A. M. Fowlkes	*Sec. & Treas.*	" "
3 Norman Webb	*Superintend't.*	" "

General office, Selma, Ala.

61 Bishopville RR.—Atkins to Bishopville, 14.75 miles.

1 D. D. Barber	*President*	Atkins, S. C.
2 A. J. Atkins	*S., Tr. & Supt.*	" "

62 Black Hills and Fort Pierre RR.—Golden Gate to Elk Creek, Dak., 15 miles.

1 George Hearst	*President*	S. Francisco,Cal.
2 Thos. J. Grier	*Sec. & Supt.*	Lead City, Dak.
3 Jas. B. Haggin	*Treasurer*	S. Francisco, Cal.

General office, Lead City, Dak.

63 Blue Springs, Orange City and Atlantic RR.—Completed from St. John's River to New Smyrna, on Atlantic Coast, 28.5 miles.

1 J. E. Thwing	*President*	St. Paul, Minn.
2 James Gilfillan	*Treasurer*	New York, N. Y.
3 S. E. Church	*Secretary*	" "
4 Dexter Hunter	*Receiver*	Orange City, Fla.
5 S. B. Carter	*Gen.Su.&Eng.*	" "

General office, Orange City, Fla. New York office, Boreel Building, 115 Broadway.

64 Bodie and Benton Ry. and Commercial Co.—Bodie to Mono Mills, 32 miles, with branches, 4 miles.

1 H. M. Yerington	*President*	S. Francisco, Cal.
2 A. J. Ralston	*Vice-President*	" "
3 Wm. Willis	*Sec. & Treas.*	" "
4 Thomas Holt[5]	*G.S.E.& T.M.*	Bodie, Cal.
5 E. H. Barton	*Mast. of Mach.*	" "
6 E. L. Reese	*Mast. Mech.*	" "
7 J. H. Wymon	*M. of Car Rep*	" "
8 E. L. Bloisdel	*Road Master*	" "
9 W. S. Wood	*Attorney*	S. Francisco, Cal.

General office, 39 Nevada Block, San Francisco, Cal.

65 Boston and Albany RR.—Boston to Albany, 202 miles; branches and leased lines, 184 miles.

1 William Bliss	*President*	Boston, Mass.
2 J. A. Rumrill	*Vice-President*	Springfield, Mass.
3 Charles E. Stevens	*Treasurer*	Boston, Mass.
4 Walter H. Barnes	*Gen. Manager*	" "
5 H. T. Gallup	*Gen. Supt.*	Springfield, Mass.
6 A. S. Hanson	*Gen. Pass. Agt.*	Boston, Mass.
7 J. M. Griggs[3]	*Gen. Tick. Agt.*	Springfield, Mass.
8 H. B. Chapin	*Gen. Ft. Agent.*	Boston, Mass.
9 G. A. Morton	*Gen. Bag. Agt.*	" "
10 Arthur Mills	*G. Traf. Mgr.*	" "
11 W. H. Russell	*Chief Eng.*	Springfield, Mass.
12 Walter Shepard	*Ass't Eng.*	Boston, Mass.
13 C. E. Alger	*Div. Engineer*	Springfield, Mass.
14 M. E. Barber	*Auditor*	" "
15 A. L. Soule	*Gen. Counsel.*	Boston, Mass.
16 A. S. Bryant[3 4]	*Cashier*	Springfield, Mass.
17 Albert Holt	*Paymaster*	" "
18 A. B. Underhill	*Supt. M P. & M*	" "
19 F. D. Adams	*G. M. Car B'r*	Allston, Mass.

20 *Division Superintendents.*—W. H. Russell Jr., East Albany, N. Y.; Edwin I. Sackett, Springfield, Mass.; H. B. Cheeley, Boston, Mass.

21 *Division Master Mechanics.*—G. B. Purvis, East Albany, N. Y.; H. W. Eddy, Springfield, Mass.; Wm. H. Taft, Boston, Mass.

22 *Road Masters.*—E. P. Babcock, East Chatham, N. Y.; F. T. Kendall, Westfield, Mass.; C. B. Lentell, Boston, Mass.; P. M. Butler, West Brookfield, Mass.

23 *Foremen Car Shops.*—J. T. Chamberlain, Allston, Mass.; J. B. Weston, Springfield, Mass.; J. E. Doran, East Albany, N. Y.

Principal office, Springfield, Mass. General office, cor. Beach and Albany Sts., Boston, Mass.

66 Boston, Hoosac Tunnel and Western Ry.—Rotterdam Junction to Vt. and Mass. State Line, 61 miles; branches, 26 miles.

1 Augustus Kountze	*President*	New York, N. Y.
2 Francis Smith	*Vice-President*	Rockland, Me.
3 R. Keppler	*Treasurer*	New York, N. Y.
4 A. T. Smith	*Sec. & Compt.*	" "
5 C. A. Coombs	*Gen. Manager.*	Mech'ville, N. Y.
6 F. T. Lewis	*As.to Gen.Mgr*	" "
7 C. L. Van Woert	*Gen. Fgt. Agt.*	" "
8 F. B. Furnald	*G. P. & T. A.*	" "
9 A. Gorham[2 3 4 7 8 9 10]	*Aud. & Cash'r*	" "
10 J. W. Burnham[11]	*Car Account't.*	" "
11 G. D. Merrill	*Train Master.*	" "
12 John Medway	*Mast. Mech.*	" "

General office, Mechanicville, N. Y. New York office, 120 Broadway.

67 Boston and Lowell RR.—Main line, Boston to Groveton Junction, 221 miles; branches, 469 miles. (For details see *Manual of Railroads.*)

1 Edwin Morey	*President*	Boston, Mass.
2 Chas. S. Mellen	*Gen. Supt.*	" "
3 C. E. A. Bartlett[3 4]	*Treasurer*	" "
4 A. A. Strout	*Counsel*	" "
5 H. N. Turner	*Gen. Fgt. Agt.*	" "
6 G. W. Storer	*A. G. P. Agt.*	" "
7 D. C. Prescott	*A. G. Ft. Ag.*	" "
8 B. F. Kendrick[3]	*Auditor*	" "
9 W. R. Brackett	*Gen. Bag. Agt.*	" "
10 E. Sands	*Trav. Pass. A.*	" "
11 J. W. Whitaker	*Paymaster*	" "
12 Geo. F. Seymour	*Paymaster*	" "
13 J. S. Lincoln	*Trav. Auditor*	" "
14 Geo. E. Shepard	*Pur. Agent*	" "
15 Myron Taylor	*Chief Clerk*	" "

DIVISION SUPERINTENDENTS.

16 W. F. Simons	*Southern Div.*	Boston, Mass.
17 Geo. E. Todd	*Northern Div.*	Concord, N. H.
18 W. A. Stowell	*Wh. Mts. Div.*	Woodsville, N. H.
19 E. F. Mann	*Ass.Sup.W.M. & Vt. Divs.*	" "
20 W. A. Stowell	*Vermont Div.*	St.Johnsbury, Vt.
21 J. K. Taylor	*Sup.Roll'g St'k & Machinery.*	Concord, N. H.

☞ *See note of explanation on first page.*

E. P. DWIGHT, Pres't & Treas. J. J. DEEMER, Sup't. A. G. LORENZ, Sec'y.

STEEL CASTINGS,

From 1-4 to 15,000 lbs. weight.

True to Pattern, Sound and Solid,

—SUCH AS—

Couplers for Passenger and Freight Cars, Wheels, Rocker Arms, Cross-Heads and Piston-Heads for Locomotives, Journal Boxes, Brake-Blocks and Shoes, Brake and Ratchet Wheels, Pivot Plate, Frogs, Crossings, Frog Points, Seat Backs, Crank Shafts, Wrenches.

GEARING OF ALL KINDS, DIES, HAMMER HEADS AND RAILROAD AND MACHINERY CASTINGS OF EVERY DESCRIPTION.

40,000 Crank Shafts, 30,000 Gear Wheels and 10,000 Locomotive Cross-Heads

Of this Steel now running prove its superiority over other Steel Castings.

Send for Circular and Prices to

CHESTER STEEL CASTINGS CO.

Office: 407 LIBRARY ST., PHILADELPHIA, Pa. Works: Chester, Pa.

THE

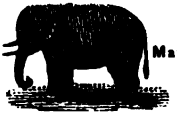
PHOSPHOR-BRONZE SMELTING CO.,

LIMITED,

512 Arch St., Philadelphia, Pa.,

OWNERS OF THE U. S. PHOSPHOR-BRONZE PATENTS.

ALL GENUINE INGOTS BEAR OUR TRADE-MARKS.

Trade  Marks.

"Phosphor-Bronze."

Sole Manufacturers of

Phosphor-Bronze

IN THE UNITED STATES.

Phosphor-Bronze "S" Bearing Metal for Locomotives and Car Bearings, Slide Valves, etc.

The most ECONOMICAL and DURABLE, and the LIGHTEST RUNNING METAL in the market. SAVES OIL and REPAIRS, PREVENTS DELAYS TO TRAINS, and NOT LIABLE TO CUT THE JOURNALS. Now in use on many of the leading railroads of the United States.

PHOSPHOR-BRONZE WIRE, RODS, SHEETS, BOLTS, PLATES, ETC., FURNISHED PROMPTLY.

PAMPHLETS ON APPLICATION TO THE ABOVE ADDRESS.

67 Boston and Lowell RR.—*Continued.*

22 *Master Mechanics and Foremen of Shops.*—H. S. Kolseth, East Cambridge, Mass.; Geo. A. Ferguson, Lake Village, N. H., *Master Mechanics.* A. I Gifford, Lowell, Mass.; C. C. Aspinwall, Concord, N. H.; E. P. Moulton, St. Johnsbury, Vt., *Foremen.*

23 G. M. Tompson...	*Chief Engin'r.*	Boston, Mass.
24 D. Hazelton.....	*M'r. Br. & B'r.*	" "

25 *Road Masters.*—Wm. Hutchinson, Nashua, N. H.; S. B. Bodwell, Jr., Lowell, Mass.; M. Conniff, Boston, Mass.; L. W. Dolloff, Lancaster, N. H.; M. Clifford, Lake Village, N. H.; J. F. Richardson, Franklin, N. H.; J. N. Perkins, Claremont, N. H.; C. E. Severance, St. Johnsbury, Vt.

26 Alex. Fobare.....	*Supt. Teleg..*	Boston, Mass.

27 *Train Dispatchers.*—H. C. Robinson, Boston, Mass.; G. E. Randall, Woodsville, N. H.; M. A. Randall, Concord, N. H.; A. J. Carriveau, St. Johnsbury, Vt.

General office, Boston, Mass.

68 Boston and Maine RR.—Boston to Portland, 116 miles; branches and leased lines, 470 miles.

1 Geo. C. Lord.....	*President*	Boston, Mass.
2 Amos Blanchard[3 4]	*Treasurer*.....	" "
3 Jas. T. Furber[7 8]	*Gen Manager.*	" "
4 Chauncey P. Judd.	*Clerk*	" "
5 D. J. Flanders.....	*G. P. & T. Ag.*	" "
6 Chas. E. Lord....	*A. G. P. & T. A.*	" "
7 W. J. C. Kenney..	*Gen. Fgt. Agt.*	" "
8 W. F. Berry.....	*Ass't G. F. Agt.*	" "
9 Wm. J. Hobbs[2] ...	*Auditor*	" "
10 Geo. J. Fisher....	*Purch. Agent.*	" "
11 Wm. Merritt, Jr...	*Sup. West. Div.*	" "
12 D. W. Sanborn....	*Sup. East Div.*	" "
13 J. W. Sanborn....	*Supt. Nor. Div.*	Wolfb'roJct., N.H
14 Wm. Smith.....	*Supt. M. Power*	Boston, Mass.
15 D. C. Richardson..	*Mast. Car B'r.*	Lawrence, Mass.
16 A. S. Sturtevant[6] ..	*Baggage Agt..*	Boston, Mass.
17 George Lane	*Baggage Agt..*	" "
18 Alfred Perkins....	*Fuel Agent...*	" "
19 John Bailey.....	*Mas M. of Way*	Lawrence, Mass.
20 H. Bissell	*Mas. M. of Way*	Salem, Mass.
21 Charles Howard...	*Div. Supt.*.....	Worcester, Mass.
22 John M. Williams.	*Div. Fgt. Agt.*	" "
23 C. A. Waite	*Div. Pass. Agt.*	" "
24 Amos Barrett.....	*Div. Mas. Mech*	" "

General office, Haymarket Square, Boston, Mass.

69 Boston and Providence RR.—Boston to Providence, 44 miles; branches, 24 miles.

1 Henry A. Whitney	*President*.....	Boston, Mass.
2 Benj. B. Torrey[3 4]	*Treasurer* ...	" "
3 Winslow Warren..	*Clerk*.....	" "
4 A. A. Folsom[7 8] ...	*Superintend't.*	" "
5 James Daily[2]	*Gen. Tkt. Agt.*	" "
6 W. H. Morrell.....	*Gen. Fgt. Agt.*	" "
7 Geo. L. Greene....	*Sup. of Transp.*	Providence, R. I.
8 Geo. Richards.....	*Master Mecha.*	Roxbury, Mass.
9 John Lightner.....	*Mast. Car B'r.*	" "
10 C. H. Wheeler[6]	*Station Agent.*	Boston, Mass.

General office, Park Square and Columbus Ave., Boston, Mass.

(*a*) *Providence, Warren and Bristol RR.*—East Providence to Bristol, 13.6 miles.

1 Henry A. Whitney..	*President*.....	Boston, Mass.
2 B. B. Torrey.... ...	*Treasurer*.....	" "
3 W. Stone[2 4 6 7 8]	*Su. Sec. & Eng.*	Providence, R. I.
4 Everard Holmes[2] ...	*Gen. Tkt. Agt.*	" "
5 Rufus Smith	*Mas. Mechanic*	Bristol, R. I.

General office, Providence, R. I.

70 Boston, Revere Beach and Lynn RR.—Boston to Lynn, 9½ miles; and

71 Boston, Winthrop and Shore RR.—Point Shirley to Point of Pines, 6 miles; branch, 2 miles.

OFFICERS OF BOTH RAILROADS.

1 Edwin Walden	*President*....	Boston, Mass.
2 John A. Fenno[3 4] .	*Sec., Treas. & Gen. Tkt. Agt.*	" "

71 Boston, Winthrop and Shore RR.—OFFICERS OF BOTH RAILROADS.—*Continued.*

3 C. A. Hammond...	*Supt. Pur. Agt.*	Boston, Mass.
4 R. D. Sutherland...	*Mas. Mechanic*	" "
5 John Coghlan.....	*Mast. Car B'r.*	E. Boston, Mass.
6 Charles Lavoix.. ..	*Road Master.*	" " "

General office, 350 Atlantic Ave., Boston, Mass.

72 Bowden Springs RR.—Salt Springs to Bowden Lithia Springs, 1.13 miles. No information.

73 Bowling Green and Toledo RR.—Bowling Green to Tontogany, 6 miles.

1 Wm. A. Wiggins[5] ..	*Pr. T. & Gen. M*	Bowling Green, O.
2 H. A. Lease.....	*Sec. & Counsel*	" "
3 Fred. Holderman..	*Master Mech..*	" "
4 William Miller....	*For. Rep. Shops*	" "
5 Patrick Fahey	*Road Inspector*	" "

74 Bradford, Bordell and Kinzua RR.—Bradford to Simpson, 15 miles; Bordell Branch, 2 miles; leased lines, 44 miles.

1 John J. Carter[6] ...	*President*	Titusville, Pa.
2 R. G. Taylor.	*Vice-President*	Bradford, Pa.
3 George A. Eckbert	*Treasurer*	" "
4 John E. Ransom..	*Secretary*.....	Buffalo, N. Y.
5 John C. McKenna.	*Superintend't.*	Bradford, Pa.
6 John C. McKenna.	*G. Fgt. & Pa. A*	" "
7 R. Burr.....	*Roadmaster* ..	" "
8 W. R. Dieffenbach	*Aud. & Sp. Tel.*	" "
9 G. L. Roberts.. ...	*Gen. Solicitor.*	" "
10 C. E. Lasher.....	*Master Mech..*	" "

General office, foot of Chestnut St., Bradford, Pa.

75 Bradford, Eldred and Cuba RR.—Cuba to Ceres, 24 miles; leased lines, 30 miles.

1 Thomas C. Platt....	*Receiver*.....	New York, N. Y.
2 John J. Carter.....	*President*	Titusville, Pa.
3 George A. Eckbert.	*Treasurer*	Bradford, Pa.
4 John E. Ransom..	*Secretary*.....	New York, N. Y.
5 John C. McKenna..	*S. & G. F. & P. A*	Bradford, Pa.
6 W. R. Dieffenbach.	*Auditor*.	" "
7 R. Burr.....	*Road Master..*	" "
8 C. E. Lasher.....	*Master Mech..*	" "

General office, foot of Chestnut St., Bradford, Pa.

76 Bridgton and Saco River RR.—Hiram Junction to Bridgton, 16 miles.

1 Wm. F. Perry.....	*President*.....	Bridgton, Me.
2 P. P. Burnham....	*Treasurer* ...	" "
3 J. A. Bennett.....	*Sec. Gen. Fgt. & Tkt. Agt. & Sup*	" "
4 S. L. Stevenson.....	*Chief Engineer*	Gorham, Me.
5 M. M. Caswell.....	*M. of M. & P. A.*	Bridgton, Me.
6 Joseph N. Marque..	*Road Master..*	" "

General office, Bridgton, Me.

77 Brighthope Ry.—Eppes Falls to Bermuda, 33 miles.

1 James H. Young...	*President*.....	New York, N. Y.
2 Franklin Stearns ..	*Vice-President*	Richmond, Va.
3 James R. Werth.. .	*Supt. & Treas.*	" "
4 Geo. M. Wilson[1 2]	*Sec. & Aud. & Gen. F. & P. Agt*	" "
5 P. M. Buckingham[3 6]	*Purch. Agt...*	" "
6 A. Gary.....	*Master Mech..*	Chester, Va.
7 Alex. Hobson.....	*Mast. of Trans.*	" "

General office, Richmond, Va.

78 Brooklyn, Bath and West End RR.—Brooklyn to Coney Island, 7 miles.

1 John M. Butler....	*Pres. & Treas.*	Philadelphia, Pa.
2 William F. Snyder..	*Vice-President*	" "
3 J. Horace Harding..	*Secretary*.....	" "
4 John P. Heindell...	*Gen. Supt.*....	Brooklyn, N. Y.
5 H. H. Roberts.....	*G. P. T. B. & F. A*	" "

79 Brooklyn Elevated RR.—Fulton Ferry to East New York, 7 miles.

1 Henry W. Putnam.	*President*.....	Brooklyn, N. Y.
2 Elbert Snedecker..	*Vice-President*	" "
3 Stephen Pettus....	*Sec. & Treas..*	" "
4 J. W. W. Mitchell.	*Ass't Sec. & Cas*	" "
5 W. B. Longyear..	*Auditor*	" "
6 Frederic Martin...	*Gen. Manager.*	" "

☞ *See note of explanation on first page.*

THE UNITED STATES
Rolling Stock Company

Offers for Lease to Railroads, Freight Lines, Mining Companies and others

LOCOMOTIVE ENGINES, REFRIGERATOR CARS, BOX, STOCK, GONDOLA, DUMP AND FLAT CARS,

And is prepared to BUILD for lease and on Contract for Cash, or under the Car-Trust System, such Rolling Stock as may be required.

CAPACITY OF SHOPS:

New Works at HEGEWISCH, near Chicago, Illinois, TWENTY CARS PER DAY.

At URBANA, Ohio, SIXTEEN CARS PER DAY.

STORAGE YARDS, { HEGEWISCH, ILL. / URBANA, O.

GENERAL OFFICES, - - - - - - - 35 WALL ST., N. Y.
CHICAGO OFFICE, - - - - - - - 189 LA SALLE ST.

A. HEGEWISCH, President.

LUDLOW VALVE MFG. CO.

Office and Works: 938 to 954 River Street, AND 67 to 83 Vail Avenue, **Troy, N. Y.**

VALVES.

Double and Single Gate, ½ in. to 48 ins., Outside and Inside Screws, Indicator, etc., FOR Gas, Water, Steam and Oil.

SEND FOR CIRCULAR.

Also Check Valves, Foot Valves, Yard, Wash and Fire Hydrants.

79 Brooklyn Elevated RR.—*Continued.*

7 George B. Cornell.	*Chief Engineer*	Brooklyn, N. Y.
8 Charles A. Ball . .	*Master Mach.*.	" "
9 Geo. W. Edwards..	*Master Trans.*	" "
10 J. A. Regan.....	*Stat'nInsp & Paym'r.*	" "

Locomotive and Car Repair Shops at East New York.

80 Brooklyn, Flatbush and Coney Island Ry.—Brooklyn to Coney Island, 8 miles.

1 James Jourdan.....	*Receiver & Pre.*	Brooklyn, N. Y.
2 E. L. Langford.....	*Secretary*.....	" "
3 Geo. W. Chauncey..	*Treasurer* ...	" "
4 J. L. Morrow[5].....	*Superintend't.*	" "
5 Percy W. Watkins..	*Gen. P. & T. A.*	" "
6 W. Finley.....	*Master Mech.*.	" "
7 J. Erbelding.....	*Road Master*..	" "

81 Brooklyn and Rockaway Beach RR.—East New York to Canarsie Landing, 4 miles.

1 DeWitt C. Littlejohn	*Pres. & Treas.*	Oswego, N. Y.
2 Henry W. Johnson.	*Secretary*.	New York, N. Y.
3 William Warner....	*Superintend't.*	Canarsie, N. Y.

82 Brunswick and Western RR.—Brunswick to Albany, 171 miles.

1 Edward W. Kinsley	*President*.	New York, N. Y.
2 A. A. Gaddis[5]	*V.-P. & Gen. M.*	Brunswick, Ga.
3 T. W. Lillie.....	*Sec. & Treas*..	New York, N. Y.
4 J. A. McDuffie[7 8 11]	*G F & P A & M T*	Brunswick, Ga.
5 F. W. Angier[2 6]..	*Ass't G. P. A.*	" "
6 R. S. McIver.....	*Act'g Auditor*	" "
7 J. K. Nightingale[2 6 9 10]	*Cashier*.....	" "
8 W. R. Kline.. ..	*Master Mech*..	" "
9 James N. Brown..	*Mas B. & R. M.*	" "
10 E. O. Harvey.....	*For. Car Rep*..	" "
11 W. R. Osborne ..	*Supervisor*....	" "
12 Chas. Moyer	*Local Agent*..	" "

General office, Brunswick, Ga. New York office, Mills Building, 15 Broad St.

83 Buckley and Douglas RR.—Manistee River northeast, and spur, 10 miles.

1 Edward Buckley ..	*Pres. & Gen. M.*	Manistee, Mich.
2 Charles G. Wilson.	*Sec. & Treas*..	" "
3 William Douglass..	*Gen. Supt*.....	" "

Car Shops at Camp Douglass, Mich. General office, Manistee, Mich.

84 Buffalo Creek RR.—Buffalo to Light House (Harbor), 4 miles; branches, 2 miles. Total track, including sidings and 2d track, 16.54 miles.

1 F. L. Danforth.....	*President*.....	Buffalo, N. Y.
2 William H. Sayre..	*Sec. & Treas*..	Bethlehem, Pa.
3 R. F. Goodman.....	*Superintend't.*	Buffalo, N. Y.
4 G. W. Dowe.....	*A. S. & S. Tel.*	" "
5 S. E. Weed.....	*Road Master*..	" "

85 Buffalo Creek Transfer RR.—In the City of Buffalo, 1.25 miles.

1 Horace A. Noble..	*President*.....	Buffalo, N. Y.
2 John R. Williams..	*Treasurer*	" "
3 Frank F. Williams	*Secretary*.....	" "

86 Buffalo, New York and Philadelphia RR.—Buffalo to Emporium, 121 miles; Buffalo to Oil City, 138 miles; branches, 415 miles.

1 G. Clinton Gardner	*Receiver*.....	New York, N. Y.
2 Calvin H. Allen. ..	*1st Vice-Pres*..	" "
3 Archer N. Martin..	*2d Vice-Pres*..	" "
4 Jos. R. Trimble....	*Secretary*.	Philadelphia, Pa.
5 John Dougherty[5]..	*Treasurer*[6]. ..	New York, N. Y.
6 G. S. Gatchell[7 8 11].	*Gen. Supt*.....	Buffalo, N. Y.
7 J. A. Fellows[6].....	*G. P. & Tk. Ag.*	" "
8 E. T. Johnson.....	*Gen. Fgt. Agt.*	" "
9 Franklin S. Buell[2 9]	*Cashier*.... .	" "
10 Wm. L. Doyle[2]. ..	*Auditor*.....	" "
11 Henry Dwyer.... .	*Supt. Buff. Div.*	" "
12 E. H. Witter.....	*S. Pittsb'gh D.*	Oil City, Pa.
13 J. W. Watson.....	*Sup. Roch. Div.*	Olean, N. Y.
14 R. D. McCreary. ..	*Eg. Maint. Wy.*.	Buffalo, N. Y.

15 *Division Engineers.*—E. A. Fisher, Rochester, N. Y.; G. Houlston, Buffalo, N. Y.; W. R. Stevenson, Oil City, Pa.

86 Buffalo, New York and Philadelphia RR.—*Continued.*

16 *Division Master Mechanics.*—Allen Vail, Buffalo, N. Y.; C. E. Turner, Olean, N. Y.; H. J. Bookhammer, Oil City, Pa.

17 *Road Masters.*—M. R. Daly, Buffalo, N. Y.; J. A. Dickson, Rochester, N. Y.; Daniel Shine, Olean, N. Y.; T. F. Hilliard, S. Haynes, Oil City, Pa.; John Burgie, Warren, Pa.; John McGuire, New Castle, Pa.

General offices, Mills Building, New York, N. Y., and Philadelphia, Pa.

87 Buffalo, Rochester and Pittsburgh RR.—Rochester to Walston.

1 Walston H. Brown	*President*.....	New York, N. Y.
2 T. F. Wentworth..	*Secretary*.....	" "
3 F. A. Brown.. ...	*Treasurer*. .:	" "
4 J. F. Dinkey[3 4]..	*Aud., As. T. & Ft. Claim Ag.*	Rochester, N. Y.
5 G. E. Merchant...	*G. M. & P. A.*	" "
6 J. T. Gardner.....	*Gen. Supt*.....	Buffalo, N. Y.
7 I. S. Emery[2].....	*G. P. & F. A.*	Rochester, N. Y.
8 William E. Hoyt..	*Chief Eng*....	" "
9 C. W. Mills...,....	*Mast. Mech*....	" "
10 J. McGarvey.....	*R. Mast. R. Div.*	" "
11 Henry Ware	*P. Mast. B. Div.*	Springville, N. Y.
12 Wesley Tweed	*R. Mast. P. Div.*	Punxsutawney, P.
13 C. H. Newman....	*F. Car Shops.*	Buffalo, N. Y.
14 C. J. Cooper.. ..	*F. Car Shops*..	Bradford, Pa.
15 M. S. Donnelly....	*F. Rep. Shops.*	Du Bois, Pa.
16 John White.. . ..	*Relief Agent*...	Bradford, Pa.

General office, Rochester, N. Y. Financial office, 20 Nassau St., New York, N. Y.

88 Buffalo Run, Bellefonte and Bald Eagle RR.—Bellefonte to State Agricultural College, 17 miles. No information.

89 Burlington, Cedar Rapids & Northern Ry.—Burlington to Albert Lea, 253 miles, with branches, 189 miles.

1 C. J. Ives....	*P. & Gen. Supt.*	Cedar Rapids, Ia.
2 R. Williams.....	*V.-P. & Supt*..	" "
3 H. H. Hollister....	*Treasurer*....	New York, N. Y.
4 S. S. Dorwart[2 4 9 10]	*Sec. & As. Trs.*	Cedar Rapids, Ia.
5 W. P. Brady.....	*A. Sup. & G. A.*	" "
6 Geo. A. Goodell...	*A. S. Pac. Div.*	Estherville, Ia.
7 J. E. Hannegan[1 2 6]	*G. P. & T. Agt.*	Cedar Rapids, Ia.
8 John E. Utt.....	*Gen. Ft. Agent*	" "
9 S. K. Tracy.....	*Gen. Solicitor*..	Burlington, Ia.
10 H. F. White.....	*Chief Eng*....	Cedar Rapids, Ia.
11 J. C. Brocksmit...	*Auditor*.... ..	" "
12 Theo. Stickney[5]..	*Paymaster*....	" "
13 G. S. Russell[7 8 11]	*Car Account't.*	" "
14 R. W. Bushnell...	*Mast. Mechanic*	" "
15 C. D. Ives	*As. Gen. Fgt. A.*	" "
16 W. A. Kendall.....	*Div. Fgt. Agt*..	Burlington, Ia.
17 W. P. Ward.....	*S. T. & Tn. D.*	Cedar Rapids, Ia.
18 J. L. Hardwick....	*Mast. Builder.*	" "
19 William Voss.....	*For. Car Rep's*	" "
20 E. O. Soule.....	*Train Master.*	Iowa Falls, Ia.
21 P. A. Murphy.....	*Train Master.*	Cedar Rapids, Ia.
22 E. F. Gage.....	*Train Master.*	Albert Lea, Minn.
23 J. P. Forrest.....	*Train Master.*	Estherville, Ia.
24 C. W. Odell.....	*Train Master.*	W. Liberty, Ia.
25 H. Aldrich.....	*Trav. Fgt. Ag.*	Cedar Rapids, Ia.
26 J. H. Murray.....	*Trav. Pas. Ag.*	Burlington, Ia.
27 C. H. Duxbury....	*Trav. Pas. Ag.*	Cedar Rapids, Ia.
28 M. M. Knapp.....	*Trav. Pas. Ag.*	" "
29 A. R. Foote.....	*Trav. Auditor*	" "
30 C. D. Wilson.....	*Ass't Auditor.*	" "

31 *Road Masters.*—M. Sullivan, Cedar Rapids, Ia.; J. Kiley, Nora Springs, Ia.; G. Davis, Riverside, Ia.; A. Russell, Clinton, Ia.; P. O'Neil, Iowa Falls, Ia.; P. Howe, Estherville, Ia.; C. McEnery, Sibley, Ia.; J. D. Carle, Watertown, Dak.

General office, Cedar Rapids, Ia. Fiscal Agency in New York, Central Trust Co. Locomotive and Car Repair Shops at Burlington, Cedar Rapids, Rockford, Albert Lea, Iowa Falls and Estherville.

90 Burlington and Lamoille RR.—Burlington to Cambridge Junction, 34 miles.

1 D. C. Linsley.....	*President*.....	Burlington, Vt.
2 C. M. Spaulding....	*Vice-Pres*.....	" "

☞ *See note of explanation on first page.*

CAST-IRON WATER PIPES

FOR

CULVERTS

Are Cheaper and Better than Masonry.

LARGELY USED BY THE PENNSYLVANIA RAILROAD.

Fire Hydrants, Valves.

R. D. WOOD & CO.,

400 Chestnut Street, Philadelphia, Pa.

1850. ESTABLISHED 1850.

S. A. FRENCH,

Successor to CAIRNS & FRENCH,

400 Broome Street, New York City,

MANUFACTURER OF

BADGES & BUTTONS

FOR RAILROAD UNIFORMS.

BADGES for Coat or Cap, showing raised bright letters on frosted background, or letters sunk in face of Badge and black enamelled, of many patterns, styles and qualities, made of German Silver, Bronze, Oroide or Brass, and Gold, Silver or Nickel-plated.

BUTTONS for Uniforms in many styles and patterns, showing the initial letters of Company raised on surface, and made in various qualities of Gold, Silver or Nickel-plating, German Silver, Oroide or Bronze.

Samples submitted for Inspection. Special designs made on request. Estimates given on any desired quantity. Prompt and personal attention given to all orders or inquiries. Our goods are of the best class, and are in use on many of the Railroads throughout the Country.

ESTERBROOK'S ✿ STEEL ✿ PENS.

Of Superior and Standard Quality. Pens in all the Popular Styles.

LEADING NUMBERS:

FINE POINTS, Nos. 333, 444, 232.

ELASTIC POINTS, Nos. 128, 126, 135.

MEDIUM POINTS, Nos. 048, 14, 130.

BLUNT POINTS, Nos. 122, 183, 1743.

BROAD POINTS, Nos. 239, 161, 284.

For sale by all Stationers and Booksellers.

THE ESTERBROOK STEEL PEN CO.,

Works: Camden, N. J. ***26 John Street, New York.***

90 Burlington and Lamoille RR.—*Continued.*

3 E. W. Peck	*Treas. & Clerk.*	Burlington, Vt.
4 G. L. Linsley[5]	*G. Mgr. & Sup.*	" "
5 C. H. Clark[2 4]	*Cashier*	" "
6 H. N. Leach[2 6 7 8 11]	*G.F. & Pas. A.*	" "
7 F. G. Brownell	*Mast. Mech.*	" "
8 J. F. Day	*Road Master*	Colchester, Vt.

General office, Burlington, Vt. Repair Shops, at Burlington, Vt.

91 Burlington and Missouri River RR.

See Chicago, Burlington and Quincy RR.

92 Burlington and Northwestern Ry.—Burlington to Washington, 52.3 miles; and

93 Burlington and Western RR.—Winfield to Oskaloosa, 70.7 miles.

OFFICERS OF BOTH COMPANIES.

1 T. W. Barhydt	*President*	Burlington, Ia.
2 C. P. Squires	*V.-P. B. & W.*	" "
3 Jno. T. Remey	*V.-P. B. & N. W*	" "
4 R. M. Green[3 4]	*Sec. & Treas.*	" "
5 John T. Gerry[5]	*Su. G. F. & P. A.*	" "
6 W. B. Jones	*Ass't S. & R. M.*	" "
7 J. A. Ostrander[2]	*Auditor*	" "
8 Adam Metz	*Mast. Mech.*	" "

General office, Burlington, Ia.

94 Cadillac and Northeastern RR.—Cadillac to Lake City, 14 miles.

1 W. W. Cummer	*Prop. & G. Mgr.*	Cadillac, Mich.
2 M. C. Burch	*Sec. & Counsel*	G'd Rapids, Mich.
3 E. W. Gerrish	*Superintend't.*	Cadillac, Mich.

General office, Cadillac, Mich.

95 Cahaba Coal Mining Co.'s RR.—Blocton to Woodstock, 10 miles.

1 W. A. Clark	*President*	Muscatine, Ia.
2 T. H. Aldrich	*V.-President*	Blocton, Ala.
3 C. Cadle, Jr	*Sec. & Treas.*	" "

General office, Blocton, Bibb Co., Ala. Locomotive and Car Repair Shops at Blocton, Ala.

96 Cairo, Vincennes and Chicago Line.—(Cairo Division, W. St. L. & P.) Cairo to Danville, 268 miles; branch, 8 miles.

1 Anth. J. Thomas 2 Charles E. Tracy	*Receivers*	New York, N.Y.
3 M. A. McDonald[6]	*Gen. Manager*	Cairo, Ill.
4 J. J. Fletcher[2 4]	*G. Ft. & P. A.*	" "
5 Sam. P. Wheeler	*G. Sol. for Rec.*	" "
6 R. I. Far'gton[3 4 9 10]	*Treasurer*	" "
7 R. Oliver	*Auditor*	" "
8 W. F. Johnson[7 8 11]	*Car Account't.*	Mt. Carmel, Ill.
9 J. Caldwell	*Superintend't.*	" "
10 F. W. Stapf	*Mast. Mech.*	" "
11 Abel S. Markley	*Supt. of Bridge.*	" "
12 L. B. Hull	*Train Master.*	" "
13 L. P. Baker	*Road Master*	" "

General office, Drexel Building, New York, N. Y.

97 California Short Line Ry.—Draper to Chester, 7 miles.

1 John A. Groesbeck	*President*	Salt Lake City, U.
2 Allen G. Campbell	*V.-President*	" "
3 W. S. McCormick	*Treasurer*	" "
4 F. K. Morris	*Secretary*	" "
5 H. S. Kerr	*Chief Eng*	" "

Locomotive and Car Repair Shops at Chester, U. T.

98 California Southern RR.—National City to Barstow, 210 miles; trackage rights over Southern Pacific, from Colton to Los Angeles, 58 miles.

1 Geo. O. Manchester	*President*	Boston, Mass.
2 F. H. Pattee[3 4 8 10]	*Sec. & Cashier*	National City, Cal.
3 J. P. Whitehead	*Comp. & G. Aud*	Boston, Mass.
4 Geo. L. Goodwin	*Treasurer*	" "
5 J. N. Victor	*Superintend't.*	S. Bernardino, Cal
6 H. B. Wilkins[6]	*G. Fgt. & Pas A.*	San Diego, Cal.

98 California Southern RR.—*Continued.*

7 C. T. Parsons	*Gen. Tk't Agt.*	Los Angeles, Cal.
8 W. Dunn	*Gen. Agent*	" "
9 Giles Kellogg[2 7 8 11]	*Auditor*	National City, Cal.
10 C. Daniel	*Mast. Mechanic*	" "
11 F. T. Perris	*Chief Eng*	S. Bernardino, Cal
12 A. C. Armstrong	*Purch. Agent*	Topeka, Kan.
13 C. A. Mead	*M. A. & A. P. A.*	National City, Cal.
14 G. Holterhoff, Jr	*Paymaster*	" "
15 M. A. Luce	*Attorney*	San Diego, Cal.

General office, National City, Cal. Transfer office, 70 Kilby St., Boston, Mass. Locomotive and Car Repair Shops at National City, Cal.

99 Camden and Atlantic RR.

See Pennsylvania system.

100 Camden, Gloucester and Mount Ephraim Ry.—Camden to Mt. Ephraim, 7 miles.

1 Jas. P. Michellon[5]	*President*	Camden, N. J.
2 Howard Hancock	*Secretary*	Philadelphia, Pa.
3 John Welsh	*Treasurer*	" "
4 Samuel Garwood	*Superintend't.*	Will'mst'wn, N.J.
5 C. G. Hancock	*G. Pas. & T'k A.*	Philadelphia, Pa

General office, Camden, N. J.

101 Canada Atlantic Ry.—Ottawa to Rouse's Point, 135 miles.

1 D. C. Linsley	*President*	Ottawa, Ont.
2 W. G. Perley	*Vice-President*	" "
3 A. W. Fleck	*Sec. & Treas.*	" "
4 E. J. Chamberlin	*Gen. Manager.*	" "
5 Percy R. Todd	*G. F. & P. A.*	" "
6 A. G. Peden	*Auditor*	" "
7 Walter Shanly	*Chief Engin'r*	Montreal, Que.
8 G. A. Mountain	*Res'd. Engin'r*	Ottawa, Ont.
9 M. Donaldson	*Mech. Supt.*	" "
10 R. K. Claire	*Freight Agent*	" "
11 J. E. Duval	*Train Disp'r.*	" "
12 M. Donaldson	*Mech. Supt.*	" "

General office, Ottawa, Ont.

102 Canadian Government Railways.—1,181 miles.

1 J. H. Pope	*Minstr. of Rys.*	Ottawa, Ont.
2 T. Trudean	*D. Min. of Rys.*	" "
3 A. P. Bradley	*S. Dept. of Rys.*	" "
4. C. Schreiber	*G. M. & Chf. E. of Gov't Rys.*	" "

(*a*) *Intercolonial Ry.*—Point Levis to Halifax and St. John and branches, 891 miles.

1 David Pottinger[7 8]	*Chief Supt.*	Moncton, N. B.
2 Thos. Williams[3 6]	*Treas. & C. Acc*	" "
3 Arthur Busby	*G. Tkt. & P. A.*	" "
4 George Taylor	*Gen. Fgt. Agt.*	" "
5 H. A. Whitney	*Mech. Supt.*	" "
6 P. S. Archibald	*Chief Eng*	" "
7 Thomas V. Cook	*G. Storekeeper*	" "
8 G. W. Robinson	*En. F. & P. Ag.*	Montreal, Que.
9 R. B. Moody	*Wn. F. & P. Ag.*	Toronto, Ont.
10 J. R. Bruce[5]	*Traffic Awd.*	Moncton, N. B.
11 D. White	*Mast. Car Rep.*	" "
12 J. J. Wallace	*Sup. H & St. J D*	Truro, N. S.
13 James E. Price	*Sup. M & C Dist*	Campbellton, N.B
14 A. R. McDonald	*Sup. Q & S. F. D*	Riviere du Loup, Q

15 *Roadmasters.*—John S. Trites, Moncton, N. B.; James Yeo, Riviere du Loup, Que.; William McLellan, New Castle, N. B.; J. Patterson, Campbellton, N. B.; Thomas O'Regan, Truro, N. S.; William Rainnie, A. B. Gray, Campbellton, N. B.

16 *Mechanical Foremen.*—W. Johnson, Halifax, N.S.; A. Ouillette, Riviere du Loup, Que.; C. S. Allen, Truro, N. S.; D. Sinclair, St. John, N. B.; H. Ouillitt, Ste. Flavie, P. Q.; F. Drake, Hadlow, P. Q.; J. A. Johnson, Campbellton, N. B.

General office, Moncton, N. B.

(*b*) *Prince Edward Island Ry.*—210 miles.

1 James Coleman[5]	*Superintend't.*	Charl'ttet'n, P.E I
2 W. T. Huggan[1 2 3 6]	*Acc't & Treas.*	" "
3 J. Unsworth	*Mech. Supt.*	" "
4 J. Houle	*Road Masters.*	" "
5 J. McPherson		" "

☞ *See note of explanation on first page.*

THE

Harlan and Hollingsworth Co.,

MANUFACTURERS OF ALL KINDS OF

RAILROAD MACHINERY

AND

PASSENGER CARS,

OF THE FINEST FINISH.

ALSO ALL KINDS OF

City, Baggage, Mail, Sleeping, Freight, Dumping, and Coal Cars.

WHEELS AND AXLES, STEEL SPRINGS, etc.

IN FACT,

EVERYTHING FOR THE FULL EQUIPMENT OF A ROAD.

From our long experience in Car Building, and our facilities for doing work, we are enabled to give entire satisfaction in every particular.

We are also extensively engaged in building Iron Vessels, Iron Steamboats, Steam Engines and Boilers, and Machine Work in general.

For further particulars address

THE HARLAN AND HOLLINGSWORTH CO.,

WILMINGTON, DEL.

102 Canadian Government Railways—*Continued.*

6 H. W. Anderson....	*F'man Lo. Rep.*	Charl'ttet'n, P.E.I
7 D. M. Frazer.....	*F'man Car R.*	" "
8 C. Simmons.....	*F'man C. P'nt*	" "

103 Canadian Pacific Ry.—Total mileage, including leased lines, branches, etc., in operation, 4,210 miles. (For details, see "Poor's Manual of Railroads.")

1 Geo. Stephen.....	*President*	Montreal, Que.
2 W. C. Van Horne..	*Vice-President*	" "
3 Chas. Drinkwater..	*Secretary*....	" "
4 W. S. Taylor[2 9 10]	*Treasurer*....	" "
5 Geo. Olds.....	*Gen. Trf. Mgr.*	" "
6 T. G. Shaughnessy.	*Ass't Gen. Man*	" "
7 Lucius Tuttle.....	*Pas. Trf. Mgr.*	" "
8 J. H. McTavish...	*Land Comm'r*	Winnipeg, Man.
9 F. R. F. Brown.. ..	*Mech. Supt*....	Montreal, Que.
10 Henry Beatty.....	*Mr. L'ke Tran.*	Toronto, Ont.
11 I. G. Ogden	*Auditor*	Montreal, Que.
12 J. J. C. Abbott....	*Counsel*.....	" "
13 A. C. Henry.....	*Purch. Agent.*	" "
14 Geo. W. Swett.. ..	*S. P. S. & D. C.*	" "
15 W. H. Kelson.....	*Gen. Storek*...	" "
16 R. H. Smith[7 8 11]	*Car. Account't*	" "
17 J. R. Reniff.	*F'man C. Rep.*	" "
18 E. S. Anderson...	*Gen. Bag. Agt.*	" "
19 Moses H. Stearn..	*Gen. Agent*...	S. Francisco, Cal.
20 Archer Baker	*Ea. Traf. Agt.*	London, Eng.
21 Harry Moody	*Trans. Agent.*	" "
22 Bank of Montreal.	*Agents*.....	New York, N. Y.

DIVISION OFFICIALS.

Eastern Division.

Quebec Section (North Shore Ry.)—St. Martin's Junction to Quebec, 159 miles; branches, 46 miles.

Ontario Section.—Toronto Junction to Smith's Falls, 211 miles; Toronto Junction to St. Thomas, 116.2 miles; Toronto to Owen Sound, 120.5 miles; Teeswater Branch, 69.5 miles; Elora Branch, 27.5 miles; Streetsville Junction to Orangeville Junction, 31.6 miles—total, 576.3 miles. *Eastern Section*—Montreal to Port Arthur, 993 miles; Brockville Branch, 45.5 miles; Prescott Branch, 53 miles; St. Jerome Branch, 13.6 miles; St. Lin Branch, 12.4 miles; St. Eustache Branch, 8 miles; Aylmer Branch, 7.5 miles; Buckingham Branch, 4 miles—total, 1,137 miles.

23 C. W. Spencer....	*Ass't Gen. Supt*	Montreal, Que.
24 G. M. Bosworth....	*As. Fgt. T. Mr.*	" "
25 E. Tiffin.....	*Gen. Fgt. Agt.*	Toronto, Ont.
26 D. McNicoll.....	*Gen Pas. Agt.*	Montreal, Que.
27 James Wilson.....	*Sup. Ont. Sec*	Toronto, Ont.
28 J. W. Leonard	*As. S. Ont. Sec.*	" "
29 H. B. Spencer.....	*As. S. Ott. Sec.*	Ottawa, Ont.
30 B. W. Coyne	*As. S. N. B. Sec.*	North Bay, Ont.
31 W. J. Singleton....	*A. S. Chap. Sec.*	Chapleau, Ont.
32 T. Hay.....	*As. S. Schr. Sec.*	Schrieber, Ont.
33 W. C. Hall.....	*As. S. Que. Sec.*	Quebec, Que.
34 W. Cross	*M. M. (E. Div.).*	Carleton, Jct. Ont.
35 D. Preston	*M. M. (O. Div.).*	Toronto, Ont.
36 J. F. Lee.....	*Commerc'l Ag.*	Chicago, Ill.
37 W. R. Callaway....	*Dist. Pass. Agt.*	Toronto, Ont.
38 C. E. McPherson..	*City Pass. Agt.*	Montreal, Que.
39 E. V. Skinner.....	*Fgt. & Pass. A.*	New York, N. Y.

Western Division.—Port Arthur to Donald, 1,451 miles; branches, 392.7 miles—total, 1,843.7 miles.

40 W. Whyte.....	*Gen. Supt* ...	Winnipeg, Man.
41 Robert Kerr.....	*Gen Ft. & P. A.*	" "
42 J. Murray.....	*As. S. Win. Sec.*	" "
43 J. Niblock	*Supt. Th. B. Sec*	Port Arthur, Ont.
44 T. H. Van Zile....	*A. S. Min. Sec.*	MdcneHat, N W T.

Pacific Division.—Donald to Port Moody, 448 miles.

45 Harry Abbott.. ..	*Gen. Supt*...	Vancouver, B. C.
46 R. Marpole	*Supt. Pac. Div.*	Donald, B. C.
47 D. E. Brown.....	*Gen. Ft. & P. A.*	Victoria, B. C.
48 L. R. Johnson.....	*Mast. Mech* .	Vancouver, B. C.

General office, 103 St. James St., Montreal, Que. London office, 88 Cannon St., E. C. New York office, J. Kennedy Tod & Co., 63 William St.

104 Canton and Waynesburg RR.—Canton to Summit, 12 miles.

1 John W. Anibaugh.	*President*	Canton, O.
2 C. C. Cook.....	*Sec. Tr. & G M.*	" "
3 John Hadley.....	*General Supt.*	" "
4 L. R. Tressel.....	*Auditor*	" "
5 J. C. Allen.....	*General Agt*..	" "

105 Cape Fear and Yadkin Valley Ry.—Greensboro to South Carolina State Line, 143 miles; Cape Fear River Branch, 2 miles; South Carolina Pacific Ry., 11 miles; Mount Airy Extension completed, 30 miles; total, 186 miles.

1 Julius A. Gray...	*President*	Greensboro, N. C.
2 John M. Rose[6]...	*Secretary*. ..	Fayetteville, N.C.
3 J. R. Williams[4 7 9 10]	*Treasurer*[9] ..	" "
4 J. W. Fry[5]...	*General Supt.*	Greensboro, N.C.
5 W. E Kyle[6]... ..	*Gen. F. & P. Ag*	Fayetteville, N.C.
6 George M. Rose..	*Attorney*	" "
7 Robt. W. Bldgood[2]	*Auditor*	" "
8 I. W. Clark..... .	*Master Mech*..	" "
9 M. W. Johnson..	*Mas. Carpen'r*	" "
10 F. P. Stewart....	*Act. M. of R'dw*	Jonesboro, N. C.

General office, Fayetteville, N. C.

106 Cape Girardeau Southwestern Ry.—Cape Girardeau to Wappapello, 52 miles.

1 Louis Houck.....	*Pres. & Gen. M.*	Cape Girardeau, M
2 William Brown...	*Vice-President*	St. Louis, Mo.
3 Leon J. Albert....	*Treasurer*	Cape Girardeau, M
4 Thos. F. Wheeler.	*Sec. & Pass. Agt*	" "
5 William A. Penny.	*Superintend't.*	" "
6 T. F. Wheeler...	*Gen. Ft. & Tk A* / *Purch. Agent.*	" "
7 James F. Brooks.	*Chief Engineer*	Jackson, Mo.
8 C. H. Fisher	*Mast. of Mach.*	Cape Girardeau, M
9 A. W. Fletcher...	*Road Master.*	" "
10 R. H. Smith.....	*Supt. Bridges.*	" "
11 W. H. Wheeler....	*Auditor*	" "

General office, Cape Girardeau, Mo.

107 Cape May and Sewell's Point RR.—Cape May to Sewell's Point, 3 miles.

1 F. F. Hogate	*President*	Camden, N. J.
2 Jas. E Roberts. ...	*Treasurer*	" "
3 Poter W. Wiltbank.	*Secretary.*	Atlantic City, N.J.
4 Jos. H. Hanes.....	*Gen. Manager.*	Cape May, N. J.
5 J. Henry Edmunds.	*Gen. Supt*....	" "
6 Thos. P. Curley . ..	*Auditor*	" "

108 Caraquet Ry.—Under construction and partially completed. Total length, 70 miles.

1 K. F. Burns.....	*Pres & G. Man.*	Bathurst, N. B.
2 W. H. Chisholm....	*General Supt.*	" "
3 John Sivewright...	*Secretary*	" "
4 A. M. Fraser	*Mech. Supt*	" "
5 A. J. H. Stewart....	*Auditor*.....	" "
6 William Mann	*Chief Engineer*	" "

109 Carillon and Grenville RR.—Carillon to Grenville, 13 miles.

1 R. W. Shepherd....	*President*	Montreal, Que.
2 R. W. Shepherd, Jr[2 3 5]	*G. M. Sec. & Tr.*	" "
3 John McGowan....	*General Supt.*	Carillon, Can.
4 John Halsey.....	*Master Mech*..	" "
5 A. Boileau	*Mast. Car B'r.*	" "
6 A. Desjardins.....	*Road Master*..	" "

(This road is owned by the Ottawa River Navigation Co., and is operated by that company, during navigation season, in connection with its steamers running between Montreal and Ottawa.)

General office, Montreal, Que.

110 Carolina Central RR.

See Seaboard Air Line.

111 Carson and Colorado RR.

See Virginia and Truckee RR.

112 Carthage and Adirondack Ry.—Carthage to Jayville, 30 miles.

1 B. D. Benson.....	*President* ...	New York, N. Y.
2 S. Q. Brown.....	*Treasurer*	" "

☞ *See note of explanation on first page.*

THE ALLISON M'F'G CO.,

PHILADELPHIA.

RAILROAD CARS;

WROUGHT AND CAST IRON WORK FOR

Cars, Buildings & Bridges;

BOLTS, NUTS AND WASHERS;

ALSO ALL KINDS OF

RAILROAD SUPPLIES.

BOILER TUBES, GAS, STEAM AND WATER PIPE,
WATER GRATES, DRY PIPES, STAY BOLTS
AND PUMP PLUNGERS; HYDRAULIC,
ARTESIAN, SALT AND OIL WELL
TUBING AND CASING;

Brass Work, Fittings, Tools, etc., etc.

LOCOMOTIVE BOILER TUBES

MADE OF THE BEST QUALITY OF IRON AND STEEL,

A SPECIALTY.

112 Carthage and Adirondack Ry.—*Continued.*

3 W. S. Benson	*Secretary*	New York, N. Y.
4 C. B. Benson	*General Man.*	Carthage, N. Y.
5 E. A. Bond	*Superintend't.*	" "
6 B. C. Williams	*Auditor*	New York, N. Y.

Executive offices, 12 Broadway, N. Y. City; general offices, Carthage, N. Y.

113 Catasauqua and Fogelsville RR.—Catasauqua to Ritteuhouse Gap, 20 miles; Breinigsville Branch, 5½ miles.

1 George T. Barnes	*President*	Philadelphia, Pa.
2 John Williams[2 3 4]	*T.&S.&G.TA*	Catasauqua, Pa.
3 C. W. Chapman[5]	*Supt. & Eng.*	" "
4 R. E. Williams[6]	*Gen. Fgt. Agt.*	" "
5 T. Fenstermaker	*Road Master*	" "
6 John Thomas	*Mast.of Mach.*	" "
7 T. Jones	*F'manLo.Rep.*	" "

General office, Catasauqua, Pa.

114 Catskill Mountain RR.—Catskill to Palenville, 16 miles; Cairo RR. (leased), 4 miles.

1 Charles L. Beach	*President*	Catskill, N. Y.
2 Isaac Pruyn	*Vice-President*	" "
3 Samuel L. Penfield	*Secretary*	" "
4 Orrin Day	*Treasurer*	" "
5 Charles A. Beach	*Supt.&Pas.Ag*	" "
6 John L. Driscoll	*M.M.&R.Mas.*	" "

115 Cedar Rapids and Marion Ry.—Cedar Rapids to Marion, 5 miles; City Lines, 3 miles.

1 William Greene	*President*	Cedar Rapids, Ia.
2 A. J. McKean	*Vice-President*	Marion, Ia.
3 N. B. Consigny	*Secretary*	Cedar Rapids, Ia.
4 G. Greene	*Treasurer*	" "
5 William Elsom	*Superintend't.*	" "
6 Blake & Harmel	*Attorneys*	" "
7 Frank Sallacek	*Section For'm.*	" "
8 S. A. Wilson	*Section For'm.*	" "
9 Ben George	*Foreman R.S.*	" "

116 Central Iowa Ry.—Total mileage, including leased lines, branches, etc., 525.82 miles. (For details see Poor's "Manual of Railroads.")

1 E. L. Dudley	*Rec.&Gen.Ma.*	Marshalltown, Ia.
2 A. B. Stickney	*President*	St. Paul, Minn.
3 Russell Sage	*Vice-President*	New York, N. Y.
4 C. H. Ackert	*Sec.&Pur.Agt*	Marshalltown, Ia.
5 Seth Zug	*Treasurer*	" "
6 J. G. Johnston	*Ass't Supt.*	" "
7 J. P. Nourse[2 6]	*Gen. P.& T.A.*	" "
8 E. D. Young	*No. Pass. Agt.*	St. Paul, Minn.
9 E. A. Jones	*S.E.Pass.Agt.*	Indianapolis, Ind.
10 T. H. Simmons	*Gen. Fgt. Agt.*	Marshalltown, Ia
11 A. B. Plough	*Ass't G.F.Agt.*	" "
12 John Player	*Master Mech.*	" "
13 E. E. Carver	*Mast. Car B'r.*	" "
14 James Frew	*Div. M.Mech.*	Keithsburg, Ill.
15 George A. Pruden	*Chief Engineer*	Marshalltown, Ia.
16 M. C. Heaiton[2 4 9 10]	*Auditor*	" "
17 P. F. Narey	*Supt.of Bridg.*	" "
18 E. H. Coapman	*Supt. of Tel.*	" "
19 A. C. Daly	*Gen. Solicitor*	" "
20 M. Bolan	*Road Master*	Ackley, Ia.
21 M. A. Stafford	*Road Master*	Oskaloosa, Ia.
22 F. Hartman	*Road Master*	Brighton, Ia.
23 Dennis Sheehan	*Road Master*	Monmouth, Ill.
24 W. W. Ralpe	*Gen. Agent*	Peoria, Ill.
25 F. J. Bates	*Foreman C.P.*	Marshalltown, Ia.
26 Central Trust Co.	*Transfer Agt.*	New York, N. Y.
27 C. E. Mallory[7 6 11]	*Car Acc'n't.*	Marshalltown, Ia.

General office, Marshalltown, Ia. Transfer office, New York, N Y.

117 Central Ontario Ry.—Picton to Wollaston, 104 miles.

1 S. J. Ritchie	*President*	Akron, O.
2 James McLaren	*Vice-President*	Buckingham,Que.
3 Robert Fraser	*Sec. & Treas.*	Trenton, Ont.
4 George W. Dench	*General Man.*	" "
5 J. D. Evans	*Chief Engineer*	" "

117 Central Ontario Ry.—*Continued.*

6 James Falconar	*Master Mech.*	Trenton, Ont.
7 G. Marshall	*Road Master*	" "

General office, Trenton, Ont.

118 Central Pacific RR.

See Southern Pacific Company.

119 Central RR. of Georgia.—Total mileage, including leased lines, branches, etc., 1,146 miles. (For details, see Poor's "Manual of Railroads.")

1 E. P. Alexander	*President*	Savannah, Ga.
2 Wm. Rogers	*Asst. to Pres.*	" "
3 F. C. Hollins	*Vice-President*	New York, N. Y.
4 Ed. McIntyre[2 4 9 10]	*Treasurer*	Savannah, Ga.
5 Wm. Rogers	*Ass't to Pres.*	" "
6 M. S. Belknap	*Gen. Manager.*	" "
7 W. F. Shellman	*Traf.Manager*	" "
8 Geo.A Whitehead[2 6]	*Gen.F. & P.A.*	" "
9 T. D. Kline	*Sup.(SW.RR.)*	Macon, Ga.
10 F. H. Thomson	*Auditor*	Savannah, Ga.
11 T M. Cunningham	*Bank Cashier*	" "
12 W. W. Rogers	*Ass't Cashier*	" "
13 W. O. Charlton	*Paymaster*	" "
14 C. H. Carson	*Purch. Agent*	" "
15 B. J. Cubbedge	*For'd'g. Agent*	" "
16 D. D. Arden	*Ma. Machinist & Act.M.Car B*	" "
17 B. Donovan	*Foreman C.D.*	" "
18 Jas. C. Shaw	*Gen. Trav.Ag.*	" "
19 Wm. M. Stevens	*Road Master*	Macon, Ga.
20 Theodore Wells[7 8 11]	*Car Account.*	" "
21 B. F. Hudson	*R.M.S.W.Div.*	" "
22 D. M. Gugel	*Div. M. Mech.*	" "
23 S. A. Charpiot	*Mast. Car B.*	" "
24 T. F. Warwick	*Div. M. Mech.*	Augusta, Ga.
25 A. J. Nix	*Mast. Car. B.*	Columbus, Ga.
26 W. H. Rhett	*Gen. Agent*	New York, N. Y.
27 M. M Rogers	*Ass't Gen. Ag.*	" "
28 A. DeW. Sampson	*N. E. Agent*	Boston, Mass.

29 *Supervisors S. W. Div.*—G. W. Roberts, Ft. Valley, Ga.; W. W. Poole, Americus, Ga.; C. E. Clark, Cuthbert, Ga.

30 *Supervisors Sav. Div.*—M. C. Tarver, Marlow, Ga.; H. C. Ivey, Tennille, Ga.; J B. Stevens, Gordan, Ga.

(*a*) *Columbus and Western Ry.*—Opelika to Goodwater, 60 miles; Columbus Branch, 29 miles. Extension from Goodwater to Birmingham now under construction.

1 E. P. Alexander	*President*	Savannah, Ga.
2 E McIntyre[2 4 9 10]	*Treasurer*	" "
3 Andrew Anderson	*Secretary*	" "
4 E. A. Flewellen	*Gen.M.& C.E*	Columbus, Ga.
5 G. A. Whitehead[2]	*Gen.F & P.A.*	Savannah, Ga.
6 C. H. Carson	*Purch. Agent.*	" "
7 W. F. Shellman	*Traffic Man'gr*	" "
8 J. C. Albrecht	*Master Mach.*	Columbus, Ga.
9 A. J. Nix	*Master Car B.*	" "
10 H. M. Howard	*Master Trans.*	" "
11 Theodore Wells[7 8 11]	*Car Account.*	Macon, Ga.
12 Geo. D. Wadley	*Road Master*	Columbus, Ga.

General office, Opelika, Ala. Transfer office, Savannah, Ga.

(*b*) *Mobile and Gerard RR.*—Columbus to Troy, 85 miles.

1 W. G. Raoul	*President*	Savannah, Ga.
2 J. M. Frazer[2 4 9 10]	*Sec. & Treas.*	Columbus, Ga.
3 W. L. Clark	*Supt.& Pur.A.*	" "
4 D. E. Williams[2 7 8]	*Gen.F.& T.A.*	" "
5 H. M. Howard	*Mast.of Trans.*	" "
6 W. F. Shellman	*Traffic Mgr.*	Savannah, Ga.
7 J. C. Albrecht	*Master of Mach.*	Columbus, Ga.
8 A. J. Nix	*Master Car B.*	" "
9 N. Brittingham	*Road Master*	" "

General office, Columbus, Ga.

(*c*) *Port Royal and Augusta RR.*—Port Royal to Greenwood (including leased lines), 180 miles.

1 W. G. Raoul	*President*	Savannah, Ga.
2 Edward McIntyre[2 4]	*Treasurer*	" "
3 Andrew Anderson	*Secretary*	" "

☞ *See note of explanation on first page.*

MICHIGAN

DETROIT, **CAR** MICHIGAN.

COMPANY,

Manufacturers of

RAILROAD

FREIGHT & REFRIGERATOR CARS,

Capacity, 10,000 Cars per Annum.

CAR WHEELS, CASTINGS, CAR AXLES,

Forgings, Links and Pins.

JAMES McMILLAN,	President.
HUGH McMILLAN,	Vice-President and General Manager.
JOSEPH TAYLOR,	2d Vice-President.
W. K. ANDERSON,	Treasurer.
W. C. McMILLAN,	Secretary.
R. E. PLUMB,	General Agent.

119 Central RR. of Georgia—*Port Royal and Augusta RR.—Continued.*

4 J. W. Green	*Gen. Manager.*	Augusta, Ga.
5 W. W. Starr	*Superintend't.*	" "
6 E. T. Charlton	*Gen. P. & F. A.*	" "
7 W. F. Shellman	*Traffic Mgr.*	Savannah, Ga.
8 W. J. Craig	*Soliciting Agt.*	Augusta, Ga.
9 T. F. Warwick	*M. M. & M. C. B.*	" "
10 J. C. Wilkins	*Road Master*	" "

General office, Savannah, Ga. New York Agency, 252 Broadway.

(*d*) *Savannah, Griffin and North Alabama RR.*—Griffin to Carrollton, 60 miles.

1 W. G. Raoul	*President*	Savannah, Ga.
2 Edward McIntyre	*Treasurer*	" "
3 Andrew Anderson	*Secretary*	" "
4 G. A. Whitehead	*Gen. F. & P. A.*	" "
5 W. F. Shellman	*Traffic Mgr.*	" "
6 W. M. Stevens	*Road Master*	Macon, Ga.

General office, Savannah, Ga.

(*e*) *Sylvania RR.*—Sylvania to Rocky Ford, 16 miles.

1 D. C. Bacon	*President*	Savannah, Ga.
2 John C. Dell	*V.-Pres. & Mgr*	Sylvania, Ga.
3 J. F. Lovette	*Sec. & Treas.*	" "

General office, Sylvania, Ga.

See also Ocean Steamship Co. and Georgia Associated Traffic Lines.

General office (C. RR. of Ga.), Savannah, Ga.

120 Central RR. of New Jersey.—On January 1, 1887, the receivers of the Central RR. Co. of New Jersey assumed possession of the lines of the company, 636 miles in all, and now operate them independent of the Philadelphia and Reading RR.

1 John S. Kennedy	*Receivers*	New York, N. Y.
2 Joseph S. Harris	*Receivers*	New York, N. Y.
3 S. M. Williams	*Sec. for Rec's & Comp.*	" "
4 J. W. Watson	*Treas for Rec's*	" "
5 J. H. Olhausen	*Gen. Supt.*	Elizabeth, N. J.
6 P. H. Wyckoff	*Gen. Fgt. Agt.*	" "
7 H. P. Baldwin	*Gen. Pass. Agt.*	" "
8 A. Reckless	*Purch. Agt.*	" "

DIVISION OFFICIALS.

9 W. W. Stearns	*Su. N. J. C. Div.*	Elizabeth, N. J.
10 W. V. Clark	*Su. N. J. S. Div.*	Long Branch, N.J.
11 G. W. Twining	*Su. L. & Sus. D.*	Mauch Chunk, Pa.
12 W. H. Peddle	*Eng. N. J. C. & S. Divs.*	Elizabeth, N.J.
13 J. H. Thompson	*En. L. & Sus. D.*	Mauch Chunk, Pa.
14 T. B. Koons	*F. A. L. & Sus D*	" "
15 W. F. True	*F. A. N. J. S. D.*	Long Branch, N.J.

ACCOUNTING OFFICIALS.

16 G. O. Waterman	*Aud. of R & D.*	New York, N.Y.
17 George Wolf	*Aud. of Pas. T*	" "
18 G. H. Sanborn	*Aud. of Fgt. T.*	" "
19 M. A. Koons	*Coal Traf. Agt.*	" "
20 H. W. Douty	*Real Est. Agent*	" "
21 F. E. Higbie	*Car. Account't*	Elizabeth, N. J.

General office, 119 Liberty St., New York, N. Y.

121 Central RR. of South Carolina.

See Atlantic Coast Line.

122 Central Vermont RR. System.

GENERAL OPERATING OFFICERS.

1 J. W. Hobart	*Gen. Manager.*	St. Albans, Vt.
2 S. W. Cummings	*Gen. Pass. Agt*	" "
3 W. E. Babbitt	*Chief Eng.*	" "
4 E. G. Lucas[2 7 8]	*Auditor*	" "

CORPORATE AND DIVISION OFFICERS.

(*a*) *Central Vermont RR.*—Total mileage, including leased lines, 431.60 miles. (For details see "Poor's Manual of Railroads.")

1 J. Gregory Smith	*President*	St. Albans, Vt.
2 Jas. R. Langdon	*1st Vice-Pres.*	" "

122 Central Vermont RR. System.—CORPORATE AND DIVISION OFFICERS.—*Continued.*

3 E. C. Smith	*2d Vice-Pres.*	St. Albans, Vt.
4 Geo. Nichols	*Secretary*	Northfield, Vt.
5 D. D. Ranlett[2 4]	*Treasurer*	St. Albans, Vt.
6 J. M. Foss	*Gen. Supt.*	" "
7 I. B. Futvoye	*Supt. No. Div.*	St. John's, P. Q.
8 J. Burdett	*Supt. Rut. Div.*	Rutland, Vt.
9 E. F. Brooks	*Supt. Brat. Div*	Brattleboro', Vt.
10 Wm. J. Robertson	*S. M. P. & M C B*	St. Albans, Vt.
11 E. A. Chittenden	*Supt. Lo. F. T.*	" "
12 C. A. Converse	*Ass't Su. L. Fgt*	" "
13 M. Magiff	*Supt. Teleg.*	" "
14 L. J. Swett	*Supt. Build'gs*	" "
15 C. H. Clark	*Supt. Bridges.*	" "
16 H. Brainerd	*Gen. Bag. Agt*	" "
17 F. H. Brown	*Freight Agent*	Montreal, Que.
18 N. F. Clark	*Fuel Agent*	St. Albans, Vt.
19 C. A. French	*Mast. Car P.*	" "
20 N. L. Davis	*MM & CB(RD)*	Rutland, Vt.
21 H. M. Whittier	*MM & CB(BD)*	Brattleboro', Vt.
22 A. C. Bean	*Road Master*	St. Albans, Vt.
23 E. W. Horner	*Road Master*	Rutland, Vt.

General office, St. Albans, Vt.

(*b*) *New London Northern RR.*—New London to Brattleboro', 121 miles.

1 Bobert Colt	*Pres. & Treas.*	New London, Ct.
2 J. A. Southard	*Secretary*	" "
3 C. F. Spaulding[5]	*Supt. & G. F. A.*	" "
4 S. W. Cummings	*Gen. Pass. Agt.*	St. Albans, Vt.
5 I. W. Dow	*Master Mech.*	New London, Ct.
6 L. E. Roys	*Supt. Bridges.*	Rutland, Vt.
7 J. W. Shanks	*Road Master*	Palmer, Mass.
8 F. H. Prescott	*Road Master*	Montville, Ct.
9 W. E. Greene	*Foreman R. S.*	New London, Ct.
10 W. A. Beckwith	*Foreman R. S.*	" "

General office, New London, Ct.

(*c*) *Ogdensburg and Lake Champlain RR.*—Ogdensburg to Rouse's Point, 118 miles; Lameille Valley Extension RR., 12 miles.

1 J. W. Hobart	*President*	St. Albans, Vt.
2 D. D. Ranlett	*Treasurer*	" "
3 George I. Childs	*Secretary*	" "
4 F. W. Baldwin	*Superintend't.*	Ogdensburg, N.Y.
5 S. W. Cummings	*Gen. Pass. Agt.*	St. Albans, Vt.
6 Frank Owen	*Gen. Fgt. Agt.*	Ogdensburg, N.Y.
7 Levi Hasbrouck[2 4]	*G. Acc'nt & C.*	" "
8 E. B. Burnham	*Purch. Agent.*	" "
9 Jas. G. Westbrook	*Auditor*	" "
10 J. H. Gracy	*Gen. Bag. Agt.*	" "
11 A. Klohs	*Master Mech.*	Malone, N. Y.
12 H. S. Leach	*M. C. B. & R. M.*	" "
13 A. F. Dailey	*Foreman C. R.*	Ogdensburg N.Y.

General office, Ogdensburg, N. Y. Fiscal Agency, 95 Milk St., Boston, Mass.

123 Centreville, Moravia and Albia.—Centreville to Albia, 26 miles. (Formerly part of Wabash, St. Louis and Pacific RR.)

1 Thomas Thatcher	*Receiver*	Keokuk, Ia.

124 Chagrin Falls and Southern RR.—Willoughby to Bridgeport, 130 miles.

1 Alfred Adams	*President*	Cleveland, O.
2 O. F. Frazer	*Vice-President*	Chagrin Falls, O.
3 J. Stoneman	*Treasurer*	" "
4 F. M. Adams	*Secretary*	" "
5 W. Hutchings[5]	*Gen. Manager.*	" "
6 A. C. Williams	*Gen. Supt.*	" "

General office, Chagrin Falls, O.

125 Champaign and Havana Line (formerly division of Wabash, St. Louis and Pacific RR.).—Champaign to Havanna, with branch from White Heath to Decatur—total length, 132 miles. Now part of Illinois Central System.

126 Charleston, Cincinnati and Chicago RR.—Projected from Charleston northeast to the Ohio River, and 50 miles of road now built.

1 Frank Coxe	*President*	Philadelphia, Pa.
2 H. K. Baker	*Sec. & Treas.*	Springfield, Mass.

[NOTE.—This line is being built by a corporation

Missouri Car & Foundry Co.

Car Works and Foundry, St. Louis, Mo. Car Works, Cambridge City, Indiana.

JOINT CAPACITY, THIRTY FREIGHT CARS PER DAY.

Manufacturers of

FREIGHT, REFRIGERATOR & FRUIT CARS

CAR WHEELS,

Castings and Brass.

OFFICERS:

WM. McMILLAN, - - President and Treasurer
WM. H. GARDNER, - - - - Vice-President
MELVILLE SAWYER, - - - - - Secretary
A. T. BUCHANAN, - - - - General Agent
HENRY WELLS, Chicago Representative, Room 211 Home Ins. Building.
R. B. LYLE, - - - - - - Supply Agent

General Offices, 204 North Third Street, St. Louis, Mo.

126 Charleston, Cincinnati and Chicago RR.—*Continued.*

known as the Massachusetts and Southern Construction Co., having the following officers: A. B. Harris, *President*; Chas. Whittier, *Vice-President*; Jno. F. Jones, *Chief Engineer*; R. A. Johnson, *Gen. Manager*. General office, 24 Simmons Building, Boston, Mass.]

127 Charleston and Savannah RR.

See Plant Investment Co.

128 Charlotte, Columbia and Augusta RR.

See Richmond and West Point Terminal.

129 Charlotteburg and Green Lake RR.—Charlotteburg Junction to Green Pond Mines, 5 miles.

1 Geo. H. Potts	*President*	New York, N. Y.
2 J. Geo. Repplier	*V.-P., Sec. & T.*	" "

130 Chateaugay RR.—Plattsburgh to Lyon Mountain, 34 miles. Extension recently completed from Lyon Mountain to Loon Lake, 20 miles.

1 Smith M. Weed	*President*	Plattsburgh, N.Y.
2 Andrew Williams	*Treasurer*	" "
3 H. M. Olmsted	*Secretary*	New York, N. Y.
4 A. L. Inman[5]	*Gen. Manager*	Plattsburgh, N.Y.
5 J. M. Davies	*Master Mech.*	Lyon M'nt'n, N.Y.
6 M. L. French[7 8 11]	*S. & M. of Tr.*	Plattsburg, N. Y.
7 W. C. French	*Gen. Fgt. Agt.*	" "
8 M F Parkhurst[2 3 4 9 10]	*Gen. Tkt. Agt.*	" "
9 L. Hallinan	*Gen. Bag. Agt.*	" "
10 E. Hall	*Chief Eng.*	Lyon M'nt'n, N.Y.
11 F. L. Averill	*Ass't Chief En*	" "
12 A. C. Kinney	*S.B., M. Car B.*	" "
13 S. A. McMartin	*Road Master.*	" "

General office, Plattsburgh, N. Y. Transfer office, 21 Cortlandt St., New York, N. Y.

131 Chatham Branch Ry.—Chatham Junction to Chatham, 9 miles.

1 Alex. Morrison	*President*	Chatham, N. B.
2 W. B. Snowball	*Secretary*	" "
3 J. B. Snowball[2]	*Treas., Gen. M.*	" "
4 A. W. Watters[6]	*Gen. F. & T. A.*	" "
5 A. Alcorn	*C. Eng. & M. M.*	" "
6 John Hawks	*Road Master*	" "

132 Chattaroi Ry.—Ashland to Richardson, 50 miles. (Now part of C., C. & C. RR.—**126**.

1 Jay H. Northnp	*Receiver & G. M*	Ashland, Ky.
2 H. B. Butler[1 2 7 8 9 10]	*Treas. & G. P. & T. Agt*	" "
3 C. S. Welton	*Gen. Fgt. Agt.*	" "
4 M. M. Missimer	*Mast. of Mach.*	" "
5 Martin Linsky	*Road Master*	" "

133 Chautauqua Lake Ry.—Projected to run from Westfield, N. Y., via Maysville and Jamestown, to junction with D., A. V. & P. RR., 36 miles, with branch from Maysville to Chautauqua Assembly Grounds, 4 miles—total, 40 miles. All graded, and construction to be completed by July 1, 1887.

1 Robert N. Marvin	*President*	Jamestown, N.Y.
2 J. C. Williams	*V.-P. & G. M.*	" "
3 Daniel H. Pos t	*Secretary*	" "
4 Eugene F. Fay	*Treasurer*	" "

134 Cheraw and Darlington RR. and Cheraw and Salisbury RR.

See Atlantic Coast Line.

135 Cherry Valley RR.—Cherry Valley Junction to Cherry Valley Mines, 6 miles.

1 B. W. Lewis	*President*	St. Louis, Mo.
2 T. T. Lewis	*Sec. & Treas*	" "
3 E. T. Herndon	*Supt. & Fgt. A.*	Midland, Mo.

General office, St. Louis, Mo.

136 Chesapeake and Nashville RR.—Gallatin to Scottsville, 85 miles.

1 E. Zimmerman	*President*	Cincinnati, O.
2 R. T. Colburn	*Vice-President*	New York, N. Y.

136 Chesapeake and Nashville RR.—*Continued.*

3 Harvey M. Hoyt	*Secretary*	New York, N. Y.
4 I. E. Gates	*Treasurer*	" "
5 Robert Meek	*Superintend't.*	Gallatin, Tenn.
6 John W. Radley	*G. F. & P. A. & Aud.*	" "
7 H. Sawyers	*Chief Engineer*	" "

General office, Mills Building, New York City.

137 Cheshire RR.—South Ashburnham to Bellows' Falls, 54 miles; Monadnock RR., 16 miles; Vermont and Massachusetts RR., 10 miles.

1 Wm. A. Russell	*President*	Boston, Mass.
2 E. C. Thayer	*Vice-President*	Keene, N. H.
3 R. Stewart	*Gen. Man. & S.*	" "
4 F H Kingsbury[1 6 9 10]	*T. & G. T. Agt.*	" "
5 J. W. Dodge[7 8]	*Gen. Fgt. Agt.*	" "
6 H. H. Stone	*Purch. Agent.*	" "
7 F. A. Perry	*Master Mech.*	" "
8 A. E. Howard	*Mast. Car B'r.*	" "
9 G. A. Brown	*Lost Bag. Agt.*	" "
10 R. Hyland	*Road Master*	" "
11 G. D. Dort	*Mast. Car Pr.*	" "

Repair Shops at Keene, N. H. General office, Keene, N. H.

138 Chicago and Alton RR.—Chicago to St. Louis, Chicago to Kansas City and St. Louis to Kansas City, with branches—total length, 849 miles.

1 T. B. Blackstone	*President*	Chicago, Ill.
2 J. C. McMullin	*Vice-President*	" "
3 C. H. Foster[3 4 9 10]	*Sec. & Treas.*	" "
4 C. H. Chappell	*Gen. Manager.*	" "
5 J. H. Wood	*Gen. Man. As't*	" "
6 J. Charlton	*G. P. & T. A.*	" "
7 G. J. Charlton	*Ass't P. & T. A.*	" "
8 H. H. Courtright	*Gen. Ft. Agt.*	" "
9 A. Newman	*Ass't G. Ft. Agt*	" "
10 F. A. Wann	*Ass't G. Ft. Agt*	St. Louis, Mo.
11 C. Huntington	*Gen. Bag. Agt.*	Chicago, Ill.
12 K. F. Booth	*Chief Engineer*	" "
13 Chauncey Kelsey	*Auditor*	" "
14 W. H. Doty	*Trav. Auditor*	" "
15 A. V. Hartwell	*Purch. Agent.*	" "
16 T. M. Bates	*Supt. Trans.*	Bloomington, Ill.
17 C. H. Sheik	*Train Master.*	Joliet, Ill.
18 W. K. Morley	*Supt. Tel.*	Bloomington, Ill.
19 William Wilson	*S. M. & Cars.*	Chicago, Ill.
20 H. H. Lyon[8 11]	*Car Ac. & Stor'k*	Bloomington, Ill.
21 C. Beckwith	*Gen. Solicitor*	Chicago, Ill.
22 S. H. Knight	*G. Agt. Pass. D.*	St. Louis, Mo.
23 J. S. Conger	*Fuel & Tie Agt.*	Chicago, Ill.
24 John Nesbitt	*Gen. Live S. A.*	St. Louis, Mo.
25 G. Gregg	*G. Fn. Loco. D.*	Bloomington, Ill.
26 J. Townsend	*G. Fn. Car D.*	" "
27 J. G. Keil	*Fn. Car Paint*	" "
28 William Riley	*Gen. Road M.*	" "

Chicago Division.

29 A. M. Richards	*Superintend't.*	Bloomington, Ill.
30 H. F. Hawley	*Ass't Supt.*	" "
31 H. C. Draper	*Engineer.*	Chicago, Ill.

32 *Foremen of Locomotive Repairs.*—I. D. Johnson, Chicago, Ill.; H. McCormick, Braidwood, Ill.; E. Schell, Bloomington, Ill.; Thos. Hyndman, Alton, Ill.; A. C. Van Horne, Joliet, Ill.; F. Becker, Dwight, Ill.; D. Grant, Springfield, Ill.; L. Van Buskirk, Venice, Ill.

33 *Foremen of Car Repairs.*—A. Buchanan, Chicago, Ill.; W. Hill, Bloomington, Ill.; W. W. Buttolph, E. St. Louis, Ill.; J. Lonney, Bloomington, Ill.; A. C. Wilcox, Springfield, Ill.; W. Bretherton, St. Louis, Mo.

34 *Road Masters.*—T. Driscoll, Joliet, Ill.; John Kearns, Springfield, Ill.; T. Cavanaugh, Bloomington, Ill.; T. Sullivan, Louisiana, Mo.; John Dacey, Slater, Mo.

Kansas City and St. Louis Divisions.

35 S. D. Reeves	*Superintend't.*	Roodhouse, Ill.
36 W. E. Gray	*Ass't Supt.*	Slater, Mo.
37 T. H. Hubbard	*Engineer.*	Louisiana, Mo.
38 William Hill	*Master Mech.*	Slater, Mo.

☞ *See note of explanation on first page.*

Fuller Brothers & Co.

139 GREENWICH STREET, NEW YORK.

CUT NAILS AND SPIKES,

HOT PRESSED NUTS, BOLTS, Etc.

SOLE AGENTS FOR

DOVER ❖ IRON ❖ CO. ❖ OF ❖ N. J.,

MAKERS OF

Boiler and Bridge Rivets, Boiler Brace Jaws, Socket Bolts, Etc.

STAY BOLT IRON.

Extra Quality of Bar Iron for Special Purposes.

RUTHERFORD'S METALLIC PAINT

A Dry Metallic Brown.

GUARANTEED THE BEST PAINT MADE FOR

Railroad Cars,
Bridges,
Roofs of Tin,
Iron or Wood,
and all
Out-buildings.

Will Not Fade, Scale, Crack or Peel Off.

Requires No Dryer.

Will cover a Greater Surface and Last Longer than any Paint in the World.

RUTHERFORD & BARCLAY,

Miners and Manufacturers,

Office, 305 Chestnut Street, Philadelphia.

138 Chicago and Alton RR.—*Kansas City and St. Louis Divisions.—Continued.*

39 *Foremen of Locomotive Repairs.*—W. P. Strunk, Roodhouse, Ill.; W. E. Reeves, Kansas City, Mo.; T. F. Underwood, Booth, Mo.

40 *Foremen of Car Repairs.*—A. Woodside, Roodhouse, Ill.; Jas. L Campbell, Mexico, Mo.; M. Woodside, Booth, Mo.; J. A. Townsend, Kansas City, Mo.

PASSENGER AND FREIGHT AGENTS.

41 S. H. Fulton	*Gen. E. Ft. Agt.*	New York, N. Y.
42 H. G. Locke	*N. Eng. Ft. Agt*	Boston, Mass.
43 H. J. Adams	*West. Ft. Agt.*	Denver, Col.
44 A. Drysdale	*Nor. Pass. Agt.*	Chicago, Ill.
45 James C. Burch	*So. Pass. Agt*	Louisville, Ky.
46 Charles Oberg	*East. Pass. Agt*	New York, N. Y.
47 A. J. Moore	*S. E. Pass. Agt.*	Harrisburg, Pa.
48 D. Bowes	*Gen. W. Pas. A.*	Kansas City, Mo.
49 J. M. Oates	*Gen. Trav. Agt.*	Chicago, Ill.
50 F. G. High	*West. Trav. Ag*	Denver, Col.
51 C. Macabe	*Pac. Coast Agt.*	S. Francisco, Cal.
52 R. Somerville	*City P. & Tk. A.*	Chicago, Ill.
53 A. W. Van Hofften	*Spec. Pas. Agt.*	" "

54 *Travelling Passenger Agents.*—A. G. Robinson, J. M. Hunt, Chicago, Ill.; R. H. Barnes, Dallas, Tex.; A. D. Perry, Indianapolis, Ind.; Jay W. Adams, Los Angeles, Cal.; B. L. McClain, Kansas City, Mo.

General office, Chicago, Ill.

139 Chicago and Atlantic Ry.—Marion to Chicago 269 miles.

1 James H. Benedict	*President*	New York, N. Y.
2 Thos. B. Musgrave	*Vice-President*	" "
3 E. E. Willis[2 4 9 10]	*Treasurer*	Chicago, Ill.
4 E. B. Guthrie	*Sec. & C. Ac'n't*	" "
5 L. H. Conant	*A. Sec. & Tr. A.*	New York, N. Y.
6 F. Broughton	*Gen. Manager.*	Chicago, Ill.
7 J. H. Parsons	*Superintend't.*	Huntington, Ind.
8 F. C. Donald	*Gen. Pass. Agt.*	Chicago, Ill.
9 B. F. Popple	*G. En. Pass. A.*	New York, N. Y.
10 A. S. Crane	*Gen. Ft. Agt.*	Chicago, Ill.
11 J. Shilleto	*Ohio Fgt. Agt.*	Cincinnati, O.
12 C. L. Thanes	*Trav Fgt. Agt*	Chicago, Ill.
13 J. D. Kershaw[2 7 8 11]	*Auditor*	" "
14 Chas. Levings	*Engineer.*	" "
15 G. D. Brooke	*M. M. & For. Sh*	Huntington, Ind.
16 James Marshall	*Road Master*	" "

General office, Chicago, Ill.

Chicago, Burlington and Kansas City RR.

See Chicago, Burlington and Quincy RR.

140 Chicago, Burlington and Northern RR. Co.—Oregon, Ill., to St. Paul, Minn., 333 miles; branch from Fulton to Savanna, 18 miles. Total, 350 miles.

1 A. E. Touzalin	*President*	Boston, Mass.
2 J. Murray Forbes	*Sec. & Treas.*	" "
3 Geo. B. Harris	*Manager*	St. Paul, Minn.
4 W. H. Holcomb	*Gen. Supt.*	La Crosse, Wis.
5 J. R. Hastings	*Ass't Supt.*	Minn'polis, Minn.
6 J. M. Barr	*Div. Supt.*	Savanna, Ill.
7 A. R. Horn	*Div. Supt.*	La Crosse, Wis.
8 N. B. Hinckley	*Auditor*	St. Paul, Minn.
9 Frank Dabney	*Cashier*	" "
10 W. J. C. Kenyon	*Gen. Pass. Agt.*	" "
11 W. B. Hamblin	*Gen. Fgt. Agt.*	" "
12 Chas. Doogan	*Fgt. Auditor.*	" "
13 P. Y. Griggs	*Cont. Fgt. Agt.*	Chicago, Ill.
14 A. C. Sheldon	*G. W. P. & F. A.*	Portland, Ore.
15 C. C. Upham	*Chief Eng.*	St. Paul, Minn.
16 W. B. Lawson	*Ass't Chief En*	La Crosse, Wis.
17 J. J Merrill	*Car Acc'nt.*	St. Paul, Minn.
18 O. Chanute	*Cons. Eng.*	Kansas City, Mo.
19 Geo. Hargreaves	*Purch. Agent.*	St. Paul, Minn.
20 H. B. Bryan	*Mast. Mech.*	La Crosse, Wis.
21 Geo. W. Cutts	*Supt. Tel.*	" "
22 R. J. Brundage	*Chief Clerk.*	" "
23 Geo. B. Williams	*Storekeeper*	" "
24 H. T. Keenan	*Live Stock Agt*	St. Paul, Minn.

General office, St. Paul, Minn.

141 Chicago, Burlington and Quincy RR.—Total mileage, including leased lines, branches, etc., 3,646.04 miles. (For details see "Poor's Manual of Railroads.")

1 C. E. Perkins	*President*	Burlington, Ia.
2 T. J. Potter	*1st Vice-Pres.*	Chicago, Ill.
3 J. C. Peasley[2 4 9]	*2d V.-Pres & Tr*	" "
4 T. S. Howland	*Secretary.*	Boston, Mass.
5 E. K. Pratt	*Ass't Treas.*	" "
6 H. B. Stone	*Gen. Manager.*	Chicago, Ill.
7 J. D. Besler	*Gen. Supt.*	" "
8 E. P. Ripley	*Gen. Fgt. Agt.*	" "
9 G. H. Ross	*1st A. G. Fgt. A.*	" "
10 J. S. Bartle	*2d A. G. Fgt. A.*	" "
11 Fred Rogers	*3d A. G. Fgt. A.*	" "
12 Paul Morton	*Gen. P. & T. Ag*	" "
13 E. L. Lomax	*As. G. P. & T. A.*	" "
14 E. A. Sadd	*Gen. Bag. Agt.*	" "
15 Wirt Dexter	*Gen. Solicitor.*	" "
16 Chester M. Dawes	*Ass't. Gen. So.*	" "
17 W. W. Baldwin	*Land Comm'r.*	Burlington, Ia.
18 J. L. Lathrop	*Gen. Auditor.*	Chicago, Ill.
19 W. McCredie	*Fgt. Auditor.*	" "
20 W. A. Amory	*Aud. Expendi.*	" "
21 C. W. Winslow	*A A in ch. of C*	" "
22 E. E. Fayerweather	*A A in ch of G C*	" "
23 John Dyer[2]	*A. T. & P. Accs.*	" "
24 C. M. Higginson	*Ass't Auditor.*	" "
25 G. C. Smith	*Chief Eng.*	" "
26 W. Forsyth	*Mech. Eng.*	Aurora, Ill.
27 R. J. McClure	*Consult'g Eng*	Chicago, Ill.
28 W. J. Ladd	*Act'g Comp.*	Boston, Mass.
29 M. B. Walker	*Real E. & T. A.*	Chicago, Ill.
30 William Irving	*Gen. Purch. Ag*	" "
31 F. C. Smith	*Cashier.*	" "
32 C. I Sturgis	*Paymaster.*	" "
33 Edward Hoyt	*Commissary.*	" "
34 G. W. Rhodes	*Su. of Mo. Pow.*	Aurora, Ill.
35 E. M. Herr	*Act'g Sup. Tel.*	Chicago, Ill.
36 E. G. Squire[7 8 11]	*Su. of Car Serv.*	" "
37 D. Dorman	*Fuel & Tie Ag*	Burlington, Ia.
38 F. W. Sargent	*Eng. of Tests.*	Chicago, Ill.

39 *Road Masters.*—W. B. Troop, Aurora, Ill.; John Sullivan, Galesburg, Ill.; James H. Linsley, Galesburg, Ill.; C. H. Cuyler, Galesburg, Ill.; A. Saland, Rock Island, Ill.; C. E. Jones, Beardstown, Ill.; G. A. Rose, Burlington, Ia.; J. Neylan, Ottumwa, Ia.; Dennis Freel, Chariton, Ia.; J. F Gustin, Chariton, Ia.; J. B. Wiseman, Creston, Ia.; N. A. Gray, Red Oak, Ia.; P. L. Manhotz, Red Oak, Ia.

40 *Foremen of Locomotive Repairs.*—C. F. Geyler, Aurora, Ill; William Erickson, Aurora, Ill.; R. Bissett, Creston, Ia.

41 *Foremen of Car Repairs.*—E. M. Benedict, Aurora, Ill.; H. Haines, Beardstown, Ill.; J. T. Bassett, Galesburg, Ill.; B. C. Pemmington, Burlington, Ia.; H. Detering, Creston, Ia.

42 *Master Car Painters.*—J. H. Lang, Aurora, Ill.; T. Johnson, Burlington, Ia.

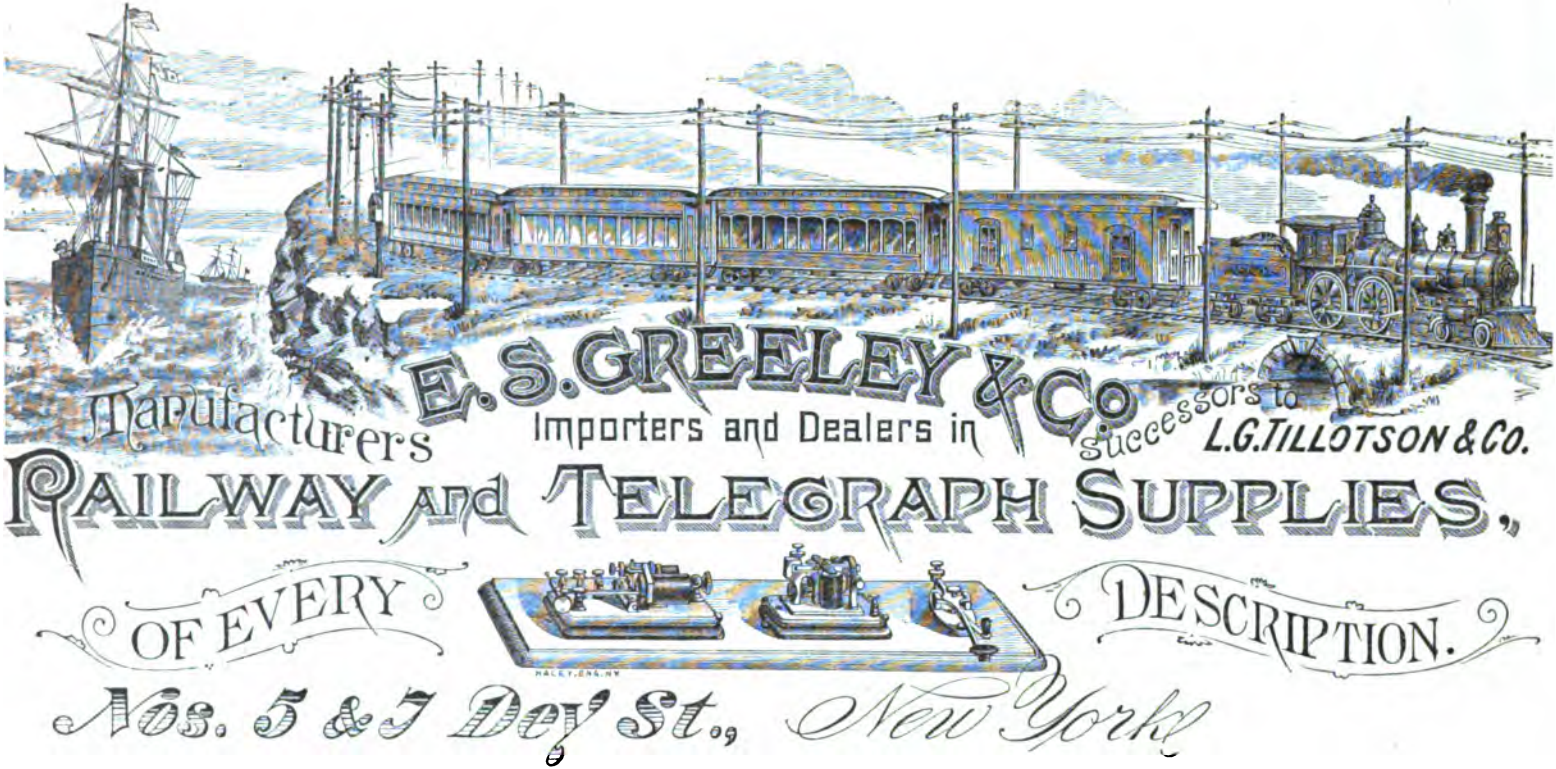
LINES IN ILLINOIS.

43 C. F Resseguie	*Superintend't.*	Galesburg, Ill.
44 G. Alexander	*Su. Chic. Div.*	Aurora, Ill.
45 L. A. Howland	*Ass't Supt.*	Chicago, Ill.
46 T. Jordan	*Div. Eng.*	" "
47 R. T. Davis	*Div. F. & P. Ag.*	Galesburg, Ill.
48 L. E. Johnson	*Div. Mast Mech*	Aurora, Ill.
49 F. C. Rice	*Su. Gales Div.*	Galesburg, Ill.
50 R. W. Colville	*Div. Mast Mech*	" "
51 F. J. Allen	*Div. Engineer.*	" "
52 P. Wallis	*Div. Mast Mech.*	Beardstown, Ill.
53 H. D. Mack	*Div. Fg. & P. A*	Rock Island, Ill.
54 A. Forsyth	*Div. Mast Mech*	Beardstown, Ill.

LINES IN IOWA AND MISSOURI.

55 W. C. Brown	*Superintend't.*	Burlington, Ia.
56 O. E. Stewart	*Su. E. Ia. Div.*	" "
57 W. J. Davenport	*Div. Fgt & P. A*	" "
58 Joel West	*Mast. Mech.*	" "
59 Frank Lawlor	*Div. Engineer.*	" "
60 J. B Maxon	*Su. M. Ia. Div.*	Ottumwa, Ia.
61 J. H. Duggan	*Su. W. Ia. Div.*	Creston, Ia.
62 C. W. Eckerson	*Mast. Mech.*	" "

☞ *See note of explanation on first page.*



Manufacturers of every description of CAR and ENGINE TRIMMINGS.

Head Linings, Car Seats and Parlor Car Chairs, Enamelled Duck and Telegraph Instruments and Supplies, Wire and all kinds of Construction Material. Importers of Plush Curtain Material and Upholsterers' Material, Stubs, Tools and Railway Material. Dealers in Cotton and Woollen Waste, Car and Engine Springs, Rubber Hose and Packing, Glass Head Lights and Lanterns, Steel Tyres, Iron and Steel, and all kinds of Metals.

SPECIAL AGENTS FOR

- Reading Bolt and Nut Works.
- Verona Tool Works.
- Midvale Steel Co.
- Putnam Machine Co.
- Crosby Steam Gauge and Valve Co.
- Northampton Emery Wheel Co.
- National Tube Works.
- Eames Vacuum Brake Co.
- Kalamazoo Railroad Velocipede Co.

141 Chicago, Burlington and Quincy RR.—*Continued.*

FREIGHT AND PASSENGER AGENTS, ETC.

63 *General Agen's.*—W. D. Sanborn, San Francisco, Cal.; J. M. Bechel, St. Louis, Mo.; F. C. Tapping, Peoria, Ill.; W. P. Moore, Quincy, Ill.; E. F. Bradford, Hannibal, Mo.; H. D. Mack, Rock Island, Ill.; A. Wingate, Des Moines, Ia.; C. Keith, Council Bluffs, Ia.; M. M. Marshall, Pacific Junc., Ia.; J. A. S. Reed (Travelling), Chicago, Ill.; H. M. Matthews, Pittsburgh, Pa.

64 *Travelling Freight Agents.*—F. Rogers, Chicago, Ill.; T. L. Ringwalt, Chicago, Ill.; Lot Brown, Chicago, Ill.

65 *Travelling Passenger Agents.*—F. Wetherald, Schenectady, N. Y.; Harry E. Heller, Allentown, Pa.; J. Simpson, Toronto, Ont.; Frank Harrison (ass't), Toronto, Ont.; O. Warner, Chicago, Ill.; J A. Quinlan, Milwaukee, Wis.; R. M. Smith, Columbus, O.; A. G. Shearman, Cleveland, O.; H. D. Badgley, Detroit, Mich.; W. M. Shore, Cincinnati, O.; C. W. Boardman, Indianapolis, Ind.; E. M. Ford (Local), Des Moines, Ia.; W. W. King (Local), Chicago, Ill.; E. J. McDale, St. Louis, Mo.

66 *Passenger Agents.*—W. C. Lacherts, New York, N. Y.; J. Wallace (City) and J. Wilson (Depot), Chicago.

67 R. Tenbroeck.....	*Gen. East. Agt.*	New York, N. Y.
68 W. S. Condell. ...	*New Eng. Agt.*	Boston, Mass.
69 T. D. McKay.....	*Pa. Co. Pass. A*	San Francisco, C.
70 G. H. Crosby.....	*Gen. West. Agt.*	Denver, Col.
71 R. W. Gillespie....	*South Pass Ag.*	New Orleans, La.

AUXILIARY AND ASSOCIATED LINES.

(*a*) *Burlington and Missouri River RR.*

1 C. E. Perkins.....	*President*.....	Burlington, Ia.
2 T. J. Potter.... ...	*1st V.-Pres*....	Chicago, Ill.
3 J. S. Cameron.....	*As. 1st V.-Pres*	" "
4 J. C. Peasley.....	*2d V.-Pres*....	" "
5 J. N. Denison.....	*Sec. & Treas.*.	Boston, Mass.
6 J. G. Taylor[2 4 9 10].	*Ass't Treas*...	Omaha, Neb.
7 J. G. Floyd.....	*Paymaster*....	" "
8 G. W. Holdrege....	*Gen. Manager*.	" "
9 T. E. Calvert.....	*Gen. Supt*....	Lincoln, Neb.
10 J. S. P. Weeks.....	*Chief Engineer*	" "
11 D. E. Thompson...	*Ass't Supt*	" "
12 J. McConnill.....	*Ass't Supt*.....	" "
13 A. Campbell.....	*Ass't Supt*....	McCook, Neb.
14 P. S. Eustis.....	*G. P. & Tkt. A.*	Omaha, Neb.
15 J. Francis.....	*A. G. P. & Tkt A*	" "
16 Thomas Miller. ...	*Gen. Fgt. Agt.*	" "
17 G. H. Crosby.....	*1st As. G. F. A.*	Denver, Col.
18 A. B. Smith.....	*2d. A. Gen. F. A*	Omaha, Neb.
19 C. D. Dorman.. ..	*Auditor*.....	" "
20 P. Heinrich.....	*Ass't Auditor*.	" "
21 W. Randall[2].....	*Fgt & Tkt. Aud*	" "
22 T. H. Leavitt.....	*Aud. Land Dpt*	Lincoln, Neb.
23 C. J. Ernst.....	*Cashier*.....	" "
24 William Irving ..	*Purch. Agt*....	Chicago, Ill.
25 Robert J. McClure	*Consult. Eng*..	" "
26 D. Hawksworth...	*Mast. Mech*....	Plattsmouth, Neb.
27 T. Marsland.....	*Gen. Bag. Agt*.	Lincoln, Neb.
28 J. D. Macfarland..	*Land Comm'r*.	" "
29 J. G. Bonnell.....	*Ass't L. Com*..	" "
30 C. E. Yates.....	*Supt. Teleg*....	" "
31 C. M. Wead.....	*Supply Agent*.	Plattsmouth, Neb.
32 M. McKinnon[7 8 11]	*Car Account't*.	Lincoln, Neb.
33 J. W. Bell.....	*Stationer*. ...	" "
34 R. R. Randall.....	*Immigra. Agt*.	" "
35 E. S. Greusel.....	*Gen. Foreman*.	Plattsmouth, Neb.
36 W. Smith.....	*For. Coach Rep*	" "
37 F. H. Skeimker....	*For. Car Rep*.	" "
38 D. B. Smith.....	*For. Car Paint*	" "
39 J. C. Salsbery.....	*Gen. Foreman*.	Lincoln, Neb.
40 A. B. Pirie.....	*Gen. Foreman*.	Wymore, Neb.
41 R. B. Archibald...	*Gen. Foreman*.	McCook, Neb.
42 W. Fuller.....	*Gen. Foreman*.	Denver, Col.

43 *General Agents.*—G. H. Crosby, Denver, Col.; W. D. Sanborn, San Francisco, Cal.; E. G. Fish, Atchison, Kan.; W. H. Firth, Kansas City, Mo.; M. M. Marshall, Pacific Junction, Ia.; M. Derum, Nebraska City, Neb.; R. R. Randall (Immigration), Lincoln, Neb.; T. D. McKay (Pacific Coast Pass.), San Francisco, Cal.; G. W. Ballantyne (Live Stock), Lincoln, Neb.

141 Chicago, Burlington and Quincy RR.—*General Agents.—Continued.*

44 *Train Masters.*—E. Bignell, Lincoln, Neb.; C. B. Rogers, Wymore, Neb.; V. O. English, Lincoln, Neb.; J. R. Phelan, McCook, Neb.

45 *Travelling Passenger Agents.*—F. B. Semple, Denver, Col.; S. Van Praag, San Francisco, Cal.; H. L. Hall, Omaha, Neb.; A. Allen, Omaha, Neb.; J. J. Cox, Lincoln, Neb.

46 *Road Masters.*—J. P. Taylor, Plattsmouth, Neb.; J. H. Dalley, Lincoln, Neb.; P. O'Donnell, Lincoln, Neb.; C. W. Hohans, Lincoln, Neb.; J. B. Wyatt, Atchison, Kan.; Ed. Ryan, Wymore, Neb.; J. Sullivan, Wymore, Neb.; M. Callaly, Beatrice, Neb.; M. Leahy, Nebraska City, Neb.; J. Coughlin, Edgar, Neb.; E. F. Highland, Red Cloud, Neb.; Sam Rogers, McCook, Neb.; W. E. Dauchy, McCook, Neb.; E. Zook, Denver, Col.; Wm. Brown, Republican, Neb.; C. P. Whitmore, Omaha, Neb.; B. V. Haley, Holdredge, Neb.

General office, Chicago, Ill.

(*b*) *Chicago, Burlington and Kansas City RR.*—Burlington to Carrollton, 220 miles; and

(*c*) *St. Louis, Keokuk and Northwestern RR.*—Keokuk to St. Peter's, 138 miles; K. & N. W. RR., 49 miles; Wabash, St. L. & P. Ry., 31 miles.

OFFICERS OF BOTH RAILROADS.

1 W. W. Baldwin....	*President*.....	Burlington, Ia.
2 T. J. Potter.....	*V.-Pres. & G. M*	Chicago, Ill.
3 J. C. Peasley.....	*Treasurer*....	" "
4 J. H. Sturgis, Jr ..	*Ass't T & Aud*.	Keokuk, Ia.
5 T. S. Howland.....	*Sec. & Transf A*	Boston, Mass.
6 C. M. Levey... ..	*Gen. Supt*....	Keokuk, Ia.
7 Howard Elliott....	*G. F. & P. Agt*.	" "
8 John L. Lathrop..	*Gen. Auditor*.	Chicago, Ill.
9 E. M. Gilchrist....	*Chief Eng*....	Keokuk, Ia.
10 William Irving....	*Purch. Agt*....	Chicago, Ill.
11 E. A. Sadd.....	*Gen. Bag. Agt*.	Keokuk, Ia.
12 W. H. Bartlett...	*Mast. Mech*....	" "
13 L. E. Atherton... } 14 F. E. Sawyer.... }	*Road Masters*.	" "
15 S. F. Clapp.....	*Supt. of Brdge*	" "
16 W. E. Cunningham.	*Supt. Teleg*. ..	" "
17 H. W. Pratt[7 8 11]	*Car Acct't*....	" "
18 H. C. Orr.....	*Gen. Ag. P. Dep*	" "

General office, Keokuk, Ia. Transfer office, Burlington, Ia.

(*d*) *Chicago and Iowa RR.*—Aurora to Foreston, 81 miles; Chic., Rock. & Northern RR., 24 miles.

1 F. H. Head.....	*President*.....	Chicago, Ill.
2 J. L. Lathrop.....	*V.-President*..	" "
3 L. O. Goddard.....	*Secretary*.....	" "
4 J. C. Peasley.....	*Treasurer*.....	" "
5 H. D. Judson[7 8]...	*Gen. Supt*....	Rochelle, Ill.
6 T. J. Potter.....	*Gen. Manager*.	Chicago, Ill.
7 C. F. Holcomb[2 4 9 10]	*G. Tkt. Agt*...	Rochelle, Ill.
8 F. Clark.....	*Auditor*.....	" "
9 William Irving....	*Purch. Agt*....	Chicago, Ill.
10 E. A. Sadd.....	*Gen. Bag. Agt*	" "
11 James Morris. ...	*Mast. Mech*....	Aurora, Ill.
12 Robert Wakefield.	*Road Master*..	Rochelle, Ill.
13 C. W. Card	*Train Master*.	Aurora, Ill.

General office, Chicago, Ill.

(*e*) *Hannibal and St. Joseph RR.*—Hannibal to St. Joseph, 206 miles, with branches, 87 miles.

1 C. E. Perkins.	*President*.	Burlington, Ia.
2 T. J. Potter.....	*Vice-President*	Chicago, Ill.
3 W. F. Merrill	*Gen. Manager*.	St. Joseph, Mo.
4 J. C. Peasley.....	*Treasurer*....	Chicago, Ill.
5 W. J. Hilton[2 4 9 10]	*Ass't Treas*...	St. Joseph, Mo.
6 M. B. Merriman...	*Paymaster*....	" "
7 W. J. Ladd.....	*Secretary*..	Boston, Mass.
8 S. E. Crance	*Superintend't*.	Brookfield, Mo.
9 A. B. Barnard.....	*Ass't Supt*.....	Kansas City, Mo.
10 E. J. Swords.....	*Gen. Fgt. Agt*.	St. Joseph, Mo.
11 R. M. Rogers, Jr..	*G. A. Fgt. Dp*.	Kansas City, Mo.

☞ *See note of explanation on first page.*

TIFFANY

SUMMER AND WINTER CARS

Over 2,000 Cars now running upon half of the Railroads in this Country.

CHARLES F. PIERCE,

General Manager,

CHICAGO, - - - - ILL.

SOUTHERN CAR WORKS,

MANUFACTURERS OF

Railroad Cars,

BOX, FLAT, GONDOLA, ORE, MINING, Etc.

KNOXVILLE, - - - - - - TENN.

141 Chicago, Burlington and Quincy RR.—*Hannibal and St. Joseph RR.—Continued.*

12	A. C. Dawes.	*G.P. & Tk. Agt*	St. Joseph, Mo.
13	W. P. Townsend.	*A. G.P. & Tk. A*	" "
14	W. H. Firth.	*G.S. W. Pas. A.*	Kansas City, Mo.
15	T. D. McKay.	*Pac. Coast P. A.*	S. Francisco, Cal.
16	E. A. Sadd	*Gen. Bag. Agt.*	Chicago, Ill.
17	C. C. Chandler.	*Chief Eng*	St. Joseph, Mo.
18	C. E. Briggs.	*Ass't Eng*	" "
19	A. S. Frost.	*Ass't Engin'r.*	Brookfield, Mo.
20	A. J. Carter.	*Supt. of Bridge*	" "
21	James Murphy	*Road Master.*	" "
22	Charles Coller.	*Mas. Car Rep.*	Hannibal, Mo.
23	G. M. Shryock.	*Mas. Car Bldr.*	" "
24	N J. Paradise.	*Mast. of Mach.*	" "
25	Geo. Thompson.	*Mast. Mech.*	Kansas City, Mo.
26	P. H. Peck.	*Div. Mast Mech*	Brookfield, Mo.
27	C. M. Carter[2].	*Auditor*	St. Joseph, Mo.
28	E. C. Browne.	*Tkt. Auditor.*	" "
29	Geo. W. Miller.	*Fgt. Auditor.*	" "
30	William Irving.	*Purch. Agent.*	Chicago, Ill.
31	G. M. Hohl.	*Supt. Teleg.*	St. Joseph, Mo.
32	George N. Mills.	*Land Comm'r.*	Hannibal, Mo.
33	J. Dumbell[7 8 11]	*Car Account't.*	St. Joseph, Mo.
34	Strong & Mosman	*Gen. Solicitors*	" "
35	P. H. Houlahan.	*Train Master*	Brookfield, Mo.
36	J. W. Lane.	*Fuel & Sup. Agt*	Hannibal, Mo.
37	T. B. Johnson.	*F'man Lo. Rep*	" "
38	E. Bailey	*F'man Car Pnt*	" "
39	J. F. Geary.	*Div. Road Mas.*	Cameron Junc., M.
40	J. Hartley.	*Div. Road Mas.*	Palmyra Junc., M.

41 *General Agents.*—George H. Crosby, Denver, Col.; W. D. Sanborn, San Francisco, Cal.; E. G. Fish, Atchison, Kan.

General office, St. Joseph, Mo.

(*f*) *Kansas City, St. Joseph and Council Bluffs RR.*—Kansas City to Council Bluffs, 198 miles; Amazonia to Hopkins, 50 miles, with branches, 71 miles.

1	C E. Perkins.	*President.*	Burlington, Ia.
2	T. J. Potter.	*Vice-President*	Chicago, Ill.
3	J. C. Peasley	*Treasurer*	" "
4	W. J. Hilton[3 4 9 10]	*Ass't Treas.*	St. Joseph, Mo.
5	A. G. Stanwood.	*Secretary*	Boston, Mass.
6	W. F. Merrill.	*Gen. Manager.*	St. Joseph, Mo.
7	J. R. Hardy.	*Superintend't.*	" "
8	A. B. Barnard.	*Ass't Supt.*	Kansas City, Mo.
9	A. C. Dawes	*Gen P. & T. A.*	St. Joseph, Mo.
10	W. P. Townsend.	*Ass't Gen. T. A.*	" "
11	E. J. Swords.	*Gen. Fgt. Agt.*	" "
12	R. M. Rogers, Jr.	*G. A. Fgt. Dep.*	Kansas City, Mo.
13	D. H. Winton.	*Train Master.*	St. Joseph, Mo.
14	William Irving.	*Purch. Agent.*	Chicago, Ill.
15	C. M. Carter[2].	*Auditor.*	St. Joseph, Mo.
16	C. C. Chandler.	*Chief Eng.*	" "
17	Strong & Mosman	*Gen. Solicitors*	" "
18	E. A. Sadd.	*Gen. Bag. Agt.*	Chicago, Ill.
19	E. C. Browne.	*Ticket Aud.*	St. Joseph, Mo.
20	G. W. Miller.	*Freight Aud.*	" "
21	M. B. Merriman.	*Paymaster*	" "
22	John Dumbell[7 8 11]	*Car Account't*	" "
23	F. A. Chase	*M. M. & Car R.*	" "
24	J. Hayward.	*Road Master*	" "
25	L. H. Morse.	*Supt. Br. & Bu.*	" "
26	G. M. Hohl.	*Supt. Teleg.*	" "
27	T. Aylesbury.	*Foreman C. D.*	" "
28	C. F. Harral.	*Foreman C. P.*	" "

29 *General Agents.*—R. M. Rogers, Jr., Kansas City, Mo.; C. Keith, Council Bluffs, Ia.; E. G. Fish, Atchison, Kan.

30 *Foremen of Locomotive Repairs.*—L. E. Bridenstein, Council Bluffs, Ia.; J. Richardson, Kansas City, Mo.; E. M. Crandall, St. Joseph, Mo.

31 *Assistant Road Masters.*—D. Bartlett, St. Joseph, Mo.; A. Worthley, St. Joseph, Mo.; P. Sharkey, Council Bluffs, Ia.

General office, St. Joseph, Mo.

(*g*) *Ottumwa and Kirkville Ry.*—Ottumwa to Kirkville, 12 miles.

1	T. J. Potter.	*President.*	Chicago, Ill.
2	H. L. Waterman.	*V.-P. & G. Mgr.*	Kirkville, Ia.

141 Chicago, Burlington and Quincy RR.—*Ottumwa and Kirkville Ry.—Continued.*

3	A. C. Hatfield.	*Treasurer*	Kirkville, Ia.
4	H. E. Jarvis.	*Secretary*	Burlington, Ia.

General office, Kirkville, Ia.

(*h*) *St. Joseph and Des Moines RR.*—St. Joseph to Albany, 50 miles.

1	W. W. Baldwin.	*President*	Burlington, Ia.
2	J. F. Barnard.	*Vice-P. & G.S*	St. Joseph, Mo.
3	H. B. Scott.	*Treasurer*	Burlington, Mo.
4	C. M. Carter.	*Sec. & Auditor*	St. Joseph, Mo.
5	T. J. Potter.	*Gen. Manager*	Chicago, Ill.
6	A. C. Dawes.	*G. P. & T. A.*	St. Joseph, Mo.
7	E. J. Swords.	*Gen. Fgt. Agt.*	" "
8	C. C. Chandler.	*Chief Eng.*	" "
9	William Irving.	*Purch. Agent.*	Chicago, Ill.
10	M. B. Starring.	*Gen. Bag. Agt.*	" "
11	F. A. Chase.	*Master Mech.*	St. Joseph, Mo.
12	D. H. Winton.	*Mast. T. & A. S.*	" "
13	J. Hayward.	*Road Master.*	" "
14	L. H. Morse.	*Supt. of Bridge*	" "
15	T. Aylesbury.	*Foreman C. R.*	" "
16	C. F. Harral.	*Mast. C. Paint.*	" "
17	G. M. Hohl.	*Supt. Teleg.*	" "

142 Chicago, Detroit and Canada Grand Trunk Junction Ry.

See Grand Trunk Ry.

143 Chicago and Eastern Illinois RR.—Chicago to Terre Haute, 178 miles, branches, 58 miles.

1	Horace H. Stevens	*President*	Boston, Mass.
2	George H. Ball	*Vice-President*	" "
3	H. A. Rubidge[2 7 8]	*Sec. & Auditor*	Chicago, Ill.
4	J. C. Calhoun[3 4 9 10]	*Treasurer*	" "
5	O. S. Lyford.	*Gen. Manager*	" "
6	D. R. Patterson.	*A. to G. M. & P. A.*	" "
7	W. Hill[6]	*Gen. P. & T. A.*	" "
8	F. V. Davis.	*Gen. Fgt. Agt.*	" "
9	S. H. Miller.	*Chief Eng.*	Danville, Ill.
10	Wm. Armstrong.	*Solicitor*	Chicago, Ill.
11	P. W. Drew.	*A. S. & Su. Tr.*	" "
12	Allen Cooke.	*S. M. P. & M. M.*	Danville, Ill.
13	A. S. Markley.	*Supt. Bridges.*	" "
14	James Sloan.	*Road Master.*	" "
15	James Ryan.	*Ass't Road M.*	" "
16	W. B. Gibson[11].	*Car Acc'nt.*	Chicago, Ill.
17	D. Beatty.	*Foreman W. T.*	Danville, Ill.
18	Edward Isbel.	*Foreman Pump*	" "
19	A. S. Markley.	*Mast. Carpen*	" "
20	W. C. Maynes	*Gen. F. E. H.*	Chicago, Ill.
21	H. D. Strong.	*Foreman M. S.*	Danville, Ill.
22	B. Burgess.	*Foreman B. S.*	" "
23	W. S. Bridges.	*Foreman C. S.*	" "
24	R. Bromley.	*Foreman B. M.*	" "
25	F. W. Foat.	*Foreman Pain.*	" "
26	Geo. A. Cummings	*Foreman Carp*	" "
27	A. N. Morrow.	*Foreman Ca p*	" "
28	E. T. Mille.	*Foreman Carp*	" "
29	J. H. Nichols.	*Foreman F. R.*	Momence, Ill.
30	G. M. Martin.	*Foreman F. R.*	Danville, Ill.
31	J. H. Griffin.	*Trav. Pass Agt*	Atlanta, Ga.
32	C. C. Hill.	*Trav. Pass Agt*	Chicago, Ill.
33	R. A. Campbell.	*Gen. Agent.*	Terre Haute, Ind.

General office, Chicago, Ill. Transfer office, Central Trust Company, New York, N. Y.

144 Chicago, Fairchild and Eau Claire River RR.—Fairchild to Eau Claire River, 12 miles.

1	N. C. Foster.	*Propr. & G. M.*	Fairchild, Wis.
2	G. A. Foster.	*Sec. & Aud.*	" "
3	C. M. Wilson.	*Gen. Fgt. Agt.*	" "
4	Robert Holmes.	*Chief Eng.*	" "
5	C. I. Wickersham.	*Purch. Agent.*	Chicago, Ill.
6	Milo Burkart.	*Mast. Mech.*	Fairchild, Wis.
7	P. Brown.	*Mast. Car B'r.*	" "

145 Chicago and Grand Trunk Ry.

See Grand Trunk Ry.

☞ *See note of explanation on first page.*

JOHN W. NOBLE, Prest. E. E. G. ROBERTS, Sec. and Treas.

THE ALABAMA CAR WORKS

ANNISTON, ALABAMA.

Freight Cars

OF EVERY DESCRIPTION.

Long Leaf Yellow Pine, Best Hammered Muck Bar Axles.

WHEELS

Made from well-known Woodstock and Clifton Brands used in their construction.

146 Chicago and Indiana Coal Ry.—Fair Oaks to Brazil, 118.6 miles; Fair Oaks to La Crosse, 26.5 miles. Total, 145.1 miles.

1	H. H. Porter	*President*	Chicago, Ill.
2	Geo. C. Kimball	*V.-P. & G. Mgr*	" "
3	J. H. Kingwill	*Auditor*	" "
4	C. W. Hillard	*Sec. & Treas.*	" "
5	A. A. Hobart	*Gen. Supt*	Attica, Ind.
6	W. S. Page	*Asst. Supt*	Brazil, Ind.
7	A. M. Nichols	*G. F. & P. A.*	Chicago, Ill.
8	R. Angst	*Chief Eng.*	Attica, Ind.
9	W. H. Brimson	*S. T. & C. T. Div*	" "
10	Geo. W. Kimball	*Gen. R. Mast.*	" "
11	J. L. Greatsinger	*Supt. of Equip*	Brazil, Ind.
12	L. A. Holmes	*Car Account't*	" "

General office, Chicago, Ill.

147 Chicago and Iowa RR.

See Chicago, Burlington and Quincy RR.

148 Chicago, Iowa and Dakota RR.—Eldora Junction to Alden, 27 miles.

1	David Secor	*President*	Forest City, Ia.
2	H. N. Brockway	*Treasurer*	Concord, Ia.
3	A. H. Chase	*Secretary*	Forest City, Ia.
4	John Porter	*Gen. Manager.*	Eldora, Ia.
5	W. S. Porter	*Gen. Tkt. Agt.*	" "

General office, Eldora, Ia.

149 Chicago, Madison and Northern RR.—Projected in the interest of the Illinois Central RR. Co. from Chicago, *via* Freeport, to Madison, Wis., and beyond. Now under construction between Chicago and Freeport and 11 miles of track laid.

1	James C. Clarke	*Pres'dent*	Chicago, Ill.
2	Stuyvesant Fish	*Vice-President*	New York, N.Y.
3	Henry De Wolf	*Treasurer*	Chicago, Ill.
4	John Dunn	*Secretary*	" "
5	Edward T. Jeffery	*Gen. Manager.*	" "
6	Isham Randolph	*Chief Eng*	" "

General office, 78 Michigan Avenue, Chicago, Ill.

150 Chicago, Milwaukee and St. Paul Ry.—Chicago, Ill., to St. Paul, Minn., 420 miles; other divisions and branches, 4,781 miles. Total, 5,201 miles. (For details, see "Poor's Manual of Railroads.")

Executive Department.

1	Alex. Mitchell	*President*	Milwaukee, Wis.
2	F. S. Bond	*Vice-President*	New York, N. Y.
3	Roswell Miller	*Gen. Manager.*	Milwaukee, Wis.
4	J. F. Tucker	*Ass't Gen. M.*	" "
5	P. M. Myers	*Sec. & As. to M.*	" "
6	Jas. M. McKinlay	*Ass't Sec. & Transf. Agt.*	New York, N. Y.
7	J. M. Bokee	*Ass't Secretary*	" "

Financial Department.

8	F. G. Ranney	*Treasurer*	Milwaukee, Wis.
9	C. A. Place	*Paymaster*	" "
10	H. B. Walker	*Ass't Paym.*	" "
11	A. L. McNaughton	*Ass't Paym.*	" "

Legal Department.

12	John W. Cary	*Gen. Solicitor.*	Milwaukee, Wis.
13	Burton Hanson	*A. Gen. Solicit.*	" "

Accounting Department.

14	J. P. Whaling	*Gen. Auditor.*	Milwaukee, Wis.
15	W. N. D. Winne	*Ass't Gen. Aud*	" "
16	P. Tyrrell	*Ticket Aud.*	" "
17	W. F. Dudley	*Freight Aud.*	" "
18	Chas. E. Dudley	*Aud. of Exp.*	" "
19	R. S. Donsman	*Return Tkt. A.*	" "
20	E. Q. Sewall	*Comptroller*	" "
21	J. F. Cochrane	*Car Acc'nt.*	" "
22	J. J. Moulding	*Road Acc'nt.*	" "
23	C. H. Burton	*Fuel Acc'nt.*	" "

Operating Department

24	J. T. Clark	*Gen. Supt.*	Milwaukee, Wis.
25	A. J. Earling	*Ass't Gen. Supt*	" "
26	D. A. Olin	*Ass't Gen. Supt*	Racine, Wis.

150 Chicago, Milwaukee and St. Paul Ry.—*Operating Department.—Continued.*

27	C. W. Case	*Ass't Gen. Supt*	Minn'polis, Minn.
28	D. J. Whittemore	*Chief Eng*	Milwaukee, Wis.
29	F. W. Kimball	*Mgr. Const'n.*	" "
30	J. N. Barr	*Sup. Car. Dept.*	" "
31	W. E. Kittredge	*A. S. Car. Dept.*	" "
32	Geo. Gibbs	*Eng. of Tests.*	" "
33	J. M. Lowry	*Gen. Mast. M.*	" "
34	E. A. Williams	*A. G. M. Mech.*	" "
35	J. T. Crocker	*Purch. Agent.*	" "
36	John A. Whaling	*Gen. Storekeep.*	" "
37	W. L. Stone	*Car Service A.*	" "
38	I. H. Shattuck	*Supt. Din. Cars*	Chicago, Ill.
39	G. E. Simpson	*Supt. Teleg.*	Milwaukee, Wis.
40	E. F. Elwell	*Stat. Supply A.*	" "

Division Superintendents.

41	R. B. Campbell	*Su. C. & C. B. Div. in Iowa*	Marion, Ia.
42	J. G. Hartigan	*As. Supt. ditto*	" "
43	G. O. Clinton	*S. C. & M., C. & E., & C. & C. B. Divs. in Ill.*	Chicago, Ill.
44	W. W. Collins	*As. Supt. ditto.*	" "
45	W. G. Collins	*S. La C. & W V D*	Milwaukee, Wis.
46	T. H. Dancy	*As. Supt. ditto*	" "
47	S. J. Collins	*S. P. du Chien & Min. Pt. Divis.*	" "
48	D. L. Bush	*Supt. R. & S. W. Div. in Wis. & Ill*	Racine, Wis.
49	C. A. Cosgrove	*Supt. R. & S. W. Divis. in Iowa.*	Oxford Junc., Ia
50	L. B. Rock	*Supt. No. Div.*	Milwaukee, Wis.
51	C. P. Utley	*Ass't S. N. Div.*	" "
52	Wm. M. Kellie	*Su. H. & D. Div.*	Minneapolis, Min.
53	Chas. Dean	*Asst. Supt. do.*	Milbank, D. T.
54	E. W. Hadley	*Ass't Superin. Fargo Branch*	Fargo, Dak.
55	J. B. Moll	*Su. I. & Dak. Dv*	Mason City, Ia.
56	J. R. Cable	*Ass't Supt. ditt.*	" "
57	W. J. Underwood	*Supt. D. & R. D.*	Dubuque, Ia.
58	S. A. Wolcott	*Ass't Supt. D. D*	" "
59	E. W. Batcheldor	*Ass't Supt. R. D*	St. Paul, Minn.
60	E. H. Graves	*Supt. I. & M. D.*	Minneapolis, Min.
61	L. B. Beardsley	*Su. S. C. & D. Dv*	Sioux City, Ia.
62	H. R. Williams	*Supt. S. M. Div*	La Crosse, Wis.
63	J. H. Lakey	*Supt. Wab. Div*	Wabasha, Minn.

Traffic Department.

64	A. C. Bird	*Gen. Fgt. Agt.*	Milwaukee, Wis.
65	D. W. Keyes	*1st Ass't G. F. A*	" "
66	N. J. Goll	*2d Ass't G F. A.*	" "
67	J. C. Boyden	*Gen. N. W. F. A*	St. Paul, Minn.
68	A. V. H. Carpenter	*Gen. P. & T. A.*	Milwaukee, Wis.
69	Geo. H. Heafford	*A. G. P. & T. A.*	" "
70	A. F. Merrill	*Ass't Gen. T. A.*	" "
71	W. H. Dixon	*Ass't Gen. P. A.*	St. Paul, Minn.
72	F. A. Miller	*Ass't Gen. P. A.*	Chicago, Ill.
73	D. M. Christie	*Gen. Bag. Agt.*	Milwaukee, Wis.
74	W. D. Carrick	*Ass't Gen. B. A.*	" "

Other Departments.

75	Wm. E. Powell	*Gen. Emig. A.*	Milwaukee, Wis.
76	W. M. Wemp	*E. A. for M. & C.*	Chatham, Ont.
77	D. H. Moses	*Trav. Emig. A.*	Scranton, Pa.
78	R. C. Jones	*Trav. Emig. A.*	Syracuse, N. Y.
79	H. G. Haugan	*Land Com*	Milwaukee, Wis.
80	W. S. Milligan	*Tax Commis'r*	" "
81	H. R. Lloyd	*Fuel Agent*	" "
82	John A. Hinsey	*Spec. Agent*	" "
83	H. P. Elliott	*Fgt. Claim Agt*	" "

84 *Division Freight Agents.*—J. L. Kellogg, D. C. Jones, J. H. Boyle, Milwaukee, Wis.; G. F. White, Davenport, Ia.; W. H. Barron, La Crosse, Wis.; B. H. Langley, Winona, Minn.

85 *Division Master Mechanics.*—E. Fairbairn, W. Milwaukee, Wis.; John Taylor, Racine, Wis.; J. O. Pattie, Minneapolis, Minn.; S. Charnley, Dubuque, Ia.

86 *General Foremen.*—A. E. Allcott, Milwaukee, Wis.; John C. Fox, Janesville, Wis.; James V. Wilson, Chicago, Ill.; J. M. Horan, Yankton, Dak.; J. C. Miller, Dubuque, Ia.; Wm. McFarlane, Wells, Minn.;

☞ *See note of explanation on first page.*

ERIE CAR WORKS, (LIMITED,)

ERIE, PA.

Capacity, 16 Cars Per Day.

FREIGHT CARS

OF BEST MATERIAL AND CONSTRUCTION A SPECIALTY.

BRADLEY CAR WORKS,

Worcester, Mass.

ESTABLISHED 1833.

MANUFACTURERS OF EVERY DESCRIPTION OF

Railway Cars.

OSGOOD BRADLEY & SONS, Proprietors.

150 Chicago, Milwaukee and St. Paul Ry.—*General Foremen.—Continued.*

T. A. Frazer, Sanborn, Ia.; John Holston, Oxford Junction, Ia.; P. M. Plumb, Perry, Ia.; R. Toombs, Tomah, Wis.

87 *Master Car Builders.*—W. O. Davies, Chicago, Ill.; P. Renier, Dubuque, Ia.; John Taylor, Racine, Wis.; G. Griffith, Oxford Junction, Ia.; E. A. Wescott, Minneapolis, Minn.

88 *Master Car Painters.*—A. Shroeder, W. Milwaukee, Wis.; Geo. S. West, Minneapolis, Minn.; M. F. Michaels, Dubuque, Ia.

89 *Foremen of Car Repairs.*—J. E. Stevens, Milwaukee, Wis.; A. George, Madison, Wis.; I. Dimon, La Crosse, Wis.; J. B. Philips, Horicon, Wis.; J. Marbenson, Watertown, Wis.; R. J. Evans, Prairie du Chien, Wis.; A. J. Taylor, Portage, Wis.; C. King, Milwaukee, Wis.; G. Case, Council Bluffs, Ia.; Wm. McFarlane, Wells, Minn.; W. O. Davies, Chicago, Ill.

90 *Road Masters.*—J. E. Peterson, Chicago, Ill.; E. Lyons, Horicon, Wis.; F. E. House, Marion, Ia.; E. L. Bradbury, Portage, Wis.; J. Waters, Tomah, Wis.; C. F. Mitchell, Mazomanie, Wis.; J. Tracy, Freeport, Ill.; W. H. Gregory, Monticello, Ia.; J. B. Kelley, Cologne, Minn.; M. J. Brennan, Aberdeen, Dak.; J. McMillan, Minneapolis, Minn.; C. H. Cornell, Dubuque, Ia.; A. W. Loftus, Wabasha, Minn.; J. Kindelon, Mitchell, Dak.; Thomas Hines, Wells, Minn.; P. H. Hennessey, Elgin, Ill.; William Erby, Perry, Ia.; D. O. Bradbury, Watertown, Wis.; G. B. Tripp, Tomah, Wis.; Perry Grace, Waukesha, Wis.; V. A. Riton, Monroe, Wis.; J. C. Clark, Racine, Wis.; J. Kinney, Oxford Junction, Ia.; E. W. Phelan, Milbank, Dak.; P. F. Malone, Aberdeen, Dak.; D. Wright, Red Wing, Minn.; H. A. Buel, McGregor, Ia.; J. E. Cox, Sanborn, Ia.; T. Ahern, Minneapolis, Minn.; M. Mauston, Fargo, Dak.; Thomas Rafferty, Lanesboro', Minn.; D. Malone, Fulda, Minn.; T. W. Baxter, Calmar, Ia.; Geo. Bennett, Horicon, Wis.; Wm. Coughlin, Mason City, Ia.; John Curry, Yankton, Dak.; E. G. Drury, Marion, Ia.; Geo. Rafferty, Wells, Minn.

GENERAL, DISTRICT, AND TRAVELLING AGENTS.

91 *Freight.*—J. R. Hixson (Gen. East. Agt.), New York, N. Y.; H. D. Corbett (New Eng. Agt.), Boston, Mass.; J. C. Boyden (Gen. No. West. Agt.), St. Paul, Minn.

92 *Commercial Agents.*—C. L. Rising, Chicago, Ill.; J. M. Taylor, Pittsburgh, Pa.; D. J. Pridham, Denver, Col.; W. S. Hineline, Minneapolis, Minn.

93 *Contracting Agent.*—R. Bruce, Milwaukee, Wis.

94 *Travelling Freight Agents.*—L. W. Campbell, Chicago, Ill.; J. M. Davis, Milwaukee, Wis.; B. H. O'Meara, Cedar Rapids, Ia.; T. W. Lippincott, Rockford, Ill.; F. M. Malone, Miles City, Mont.; J. W. Crippen, Mason City, Ia.; A. Burlock, St. Paul, Minn.; J. A. Veitch, Cleveland, Ohio; M. Brosnihan, Waukesha, Wis.; C. G. Lovell, New York, N. Y.; W. E. Peak, Sioux City, Ia.

95 *General Agents.*—J. A. Chandler, St. Paul, Minn.; F. A. Nash, Omaha, Neb.

96 *Passenger.*—C. A. Brown (N. Eng. Pass. Agt.), Boston, Mass.; W. W. Heafford (East. Pass. Agt.), Buffalo, N. Y.; Harry Mercer (Mich. Pass. Agt.), Detroit, Mich.; J. G. Everest (Gen. South. Pass. Agt.), Chicago, Ill.; J. E. McClure (West. Pass. Agt.), Omaha, Neb.; J. B. Flagg (Dist. Pass. Agt.), Pipestone, Minn.; G. W. White (Spec. Pass. Agt.), Mason City, Ia.; A. Burnham (Spec. Pass. Agt.), Milwaukee, Wis.; C. E. Fairbank (Traffic Agent), San Francisco, Cal.; D. J. Pridham (Commercial Agt.), Denver, Col.; A. M. Ingersoll (Pass. & Tkt. Agt.), Milwaukee, Wis.; H. E. Laing (City Pass. Agt.), Chicago, Ill.

97 *Travelling Passenger Agents.*—D. O. Pease, Montreal, Can.; A. J. Taylor, Toronto, Ont.; C. C. Mordough, Indianapolis, Ind.; H. S. Hughes, Jr., Clinton, Ia.; F. B. Ross, St. Paul, Minn.; A. R. Daugherty, Boston, Mass.; F. G. Boyd, Cleveland, O.; John R. Pott, Williamsport, Pa.; John O'Laughlin, Columbus, O.; A. Mitchell, Jr., Salt Lake City, Utah; W. T. Allen, San Francisco, Cal.

150 Chicago, Milwaukee and St. Paul Ry.—*Continued.*

98 *General Agents.*—E. F. Richardson, New York, N.Y.; W. H. Marshall, Portland, Ore.; T. W. Wadsworth, Chicago, Ill.; F. A. Nash, Omaha, Neb.

General office (C., M. & St. P. Ry.), Milwaukee, Wis. New York office, 42 Wall St.

151 Chicago and North Western Ry.—(For routes, mileage, etc., see "Poor's Manual of Railroads.")

1 Albert Keep.....	*President*	Chicago, Ill.
2 M. L. Sykes.....	*V.-P., Sec. & Tr*	New York, N. Y.
3 Marvin Hughitt....	*2d V.-P. & G. M.*	Chicago, Ill.
4 S. O. Howe.....	*Ass't Sec. & A T*	New York, N. Y.
5 W. H. Stennett....	*Ass't Gen. Man*	Chicago, Ill.
6 C. C. Wheeler	*Gen. Supt* ..	" "
7 S. Sanborn.....	*Ass't Gen. Sps.*	" "
8 P. Hallenbeck...		Winona, Minn.
9 H. C. Wicker ...	*Traffic Mangr.*	Chicago, Ill.
10 E. P. Wilson.....	*Gen. Pass. Agt.*	" "
11 W. B. Kniskern...	*Ass't G. Pass. A*	" "
12 W. A. Thrall.....	*Gen. Tkt. Agt.*	" "
13 Heman Wheeler..	*Ass't G. Tkt. A.*	" "
14 H. R. McCullogh..	*Gen. Fgt. Agt.*	" "
15 C. H. Knapp.....	*Ass't G. Fgt. A.*	" "
16 Edwin J. Foster..	*Ass't F. Agent*	" "
17 B. Johnson.... ...	*Div. F. Agent*	" "
18 Emmons Blaine...	*Div. F. Agent*	" "
19 M. Hughitt, Jr....	*Div. F. Agent.*	" "
20 J. B. Redfield....	*Aud. & Ass't S.*	" "
21 W. S. Hartwell....	*Freight Aud* .	" "
22 W. F. VanBergen[2]	*Ticket Aud*..	" "
23 M. M. Kirkman[3,4,9,10]	*Comptroller* ..	" "
24 N. A. Phillips...	*Gen. Bag. Agt.*	" "
25 E. H. Johnson ...	*Chief Engineer*	" "
26 W. C. Goudy.....	*Gen. Counsel*..	" "
27 W. B. Keep.	*Gen. Attorney.*	" "
28 R. W. Hamer....	*Purch. Agent.*	" "
29 Chas. Hayward .	*Ass't Pur. Agt.*	" "
30 James Wallace, Jr.	*Ass't Supt*....	" "
31 G W. Tilton.....	*Supt. M P. & M.*	" "
32 W. A. Scott... ...	*Ass't M. P. & M.*	" "
33 J. B. Heckman....	*Supt Dg. & P. C*	" "
34 G. H. Thayer.....	*Supt. Teleg*	" "
35 C. E. Simmons....	*Land Comm'r*	" "
36 J. F. Cleveland....	*Ass't Comm'r.*	" "
37 F. P. Crandon	*Tax Comm'r.*	" "
38 F. M. Luce[7,8,11]	*Car Account't.*	" "
39 R. C. Richards....	*Gen. Claim Ag.*	" "
40 H. M. Burchard....	*Land & Tkt. A.*	Marshall, Minn.
41 John Everitt.....	*Land & Gen. A.*	London, Eng.

Wisconsin Division.—581 miles.

42 E. J. Cuyler.....	*Superintend 't.*	Chicago, Ill.
43 W. A. Gardner.....	*Ass't Supt*....	" "
44 Clayton E. Strong.	*Train Master.*	Fond du Lac, Wis.

Galena Division.—418 miles.

45 Charles Murray....	*Superintend 't.*	Chicago, Ill.
46 Otto Miller... ...	*Ass't Supt*....	" "
47 M. R. Regan. . ..	*Train Dispr*..	" "

Iowa Division.—747 miles.

48 Horace G. Burt....	*Superintend 't.*	Boone, Ia.
49 S. J. Mills...	*Ass't Supt* ...	Clinton, Ia.
50 H. C. Mahanna....	*Ass't Supt*....	Belle Plaine, Ia.
51 Hugh M. Hughes.	*Ass't Supt*....	Boone, Ia.
52 Robert Quayle....	*Master Mech*..	Clinton, Ia.
53 Philip Helmer ..	*Train Dispr*..	" "
54 Joseph A. Barrett.	*Train Dispr*..	Belle Plaine, Ia.
55 Mason S. Rizer....	*Train Dispr*..	Boone, Ia.

Northern Iowa Division.—370 miles.

56 M. Hopkins.....	*Superintend 't.*	Eagle Grove, Ia.
57 Geo. E. Boynton..	*Train Master.*	" "
58 Geo. E. Correll....	*Train Dispr*..	" "

Madison Division.—486 miles.

59 C. A. Swineford....	*Superintend 't.*	Baraboo, Wis.
60 R. A. Cowan.....	*Ass't Supt*...	" "
61 H. D. Page	*Master Mech*..	" "
62 John H. Hull.....	*Train Master.*	" "
63 Wm. A. Lawson....	*Train Dispr* .	" "

☞ *See note of explanation on first page.*

151 Chicago and North Western Ry.—*Madison Division.—Continued.*

64 John Montgomery.	*Train Master.*	Madison, Wis.
65 F. E. Pearson	*Train Dispr..*	" "

Peninsula Division.—425 miles.

66 W. B. Linsley.....	*Superintend't.*	Escanaba, Mich.
67 George M. West...	*Ass't Supt...*	" "
68 J. Symons.....	*Master Mech*	" "

Winona and St. Peter RR.—405 miles.

69 W. P. Cosgrove....	*Superintend't.*	Winona, Minn.
70 Geo. F. Bidwell...	*Ass't Supt....*	Tracy, Minn.
71 John E. Blunt....	*Civil Engineer*	" "
72 William Smith.....	*Master Mech..*	" "
73 W. H. Graves.	*Train Dispr..*	" "
74 F. N. Stewart....	*Train Dispr..*	Sleepy Eye L'e,M

Dakota Central Division.—661 miles.

75 James S. Oliver..	*Superintend't.*	Huron, Dak.
76 John S. Burke.....	*Train Master.*	" "
77 F. Eldridge...	*Train Dispr..*	" "

78 *Foremen of Locomotive Repairs.*—M. S. Monroe, Belle Plaine, Ia.; W. C. Chapman, Eagle Grove, Ia.; H. D. Washburn, Chicago, Ill.; J. Cockfield, Boone, Ia.; James Thompson, Harvard, Ill.; J. W. Crysler, Chicago, Ill.; W. Hutchinson, Council Bluffs, Ia.; B. Malloy, Fond du Lac, Wis.; L. F. Smith, Ft. Howard, Wis.; J. Arthur, Freeport, Ill.; J. B. Wilbur, Ishpeming, Mich.; E. S. Hayward, Janesville, Wis.; D. Manning, Milwaukee, Wis; C. B. Peck, Tracy, Minn.; D. Hanney, Turner, Ill.; H. J. Gerlicher, Waseca, Minn.; W. Smith, Winona, Minn.

79 *Road Masters.*—W. H. Barnes, Chicago, Ill.; A. A. Hinman, Oshkosh, Wis.; M. Crandall, Oak Park, Ill.; C. A. Lehman, Sterling, Ill.; A. L. Mead, Clinton, Ia.; W. D. Robinson, Carroll, Pa.; G. W. Quiggle, Jewell Junction, Ia.; E. P. Edwards, Eagle Grove, Ia.; S. H. Brown, Elroy, Wis.; J. A. Kerwin, Madison, Wis.; A. M. Sutherland, Escanaba, Mich.; George Webb, Waseca, Minn.; Edward Moriarty, Redfield, Dak.; P. H. Loftus, Milwaukee, Wis.; John Scanlin, Fond du Lac, Wis.; W. D. Dodge, Boone, Ia.; Wm. Downey, Belle Plaine, Ia.; W. D. Robinson, Carroll, Ia.; I. A. Worcester, Sac City, Ia.; Luke Flynn, Eagle Grove, Ia.; J. W. Wright, Baraboo, Wis.; Henry Snyder, Monifort, Wis.; W. Brandt, Madison, Wis.; S. H. Brown, Elroy, Wis.; P. H. Jacobs, Winona, Minn.; A. C. Morse, Huron, Dak.; E F. Potter, Huron, Dak.; Henry W. Battin, Tracy, Minn.; John Rummings, Brooking, Dak.

BUILDINGS AND BRIDGES.

80 *Officials in Charge.*—D. Kendall, Chicago, Ill.; H. Crane, Janesville, Wis.; G. M. Clarke, Milwaukee, Wis.; J. Hickey, Chicago, Ill.; W. D. Walden, Clinton, Ia.; A. L. Gailey, Eagle Grove, Ia.; W. Elliot, Baraboo, Wis.; H. P. Morrill, Madison, Wis.; C. Palmer, Escanaba, Mich.; A. Doig, Winona, Minn.; J. F. Shay, Huron, Dak.

GENERAL AND TRAVELLING AGENTS, ETC.

81 John S. George..	*Com.F.& P.A.*	Milwaukee, Wis.
82 W. N. Babcock.....	*G.W. F.&P.A.*	Omaha, Neb.
83 G. D. Williamson..	*G.Ag., F.&Pa.*	Denver, Col.
84 A. H. Pride	*G.E.F.& P.A.*	New York, N. Y.
85 W.W.Chamberlain	*Gen F.&P.Ag.*	Des Moines, Ia.
86 C. H. Wise.... ...	*N. E. Ft. Agt.*	Boston, Mass.
87 E. T. Monett.. ...	*East.Pass.Agt*	New York, N. Y.
88 G. L. Harrison....	*South Pass.Ag.*	Chicago, Ill.
89 F. H. Melendy.....	*N.E. Pass.Agt*	Boston, Mass.
90 W. H. Guerin....	*Mich.Pass.Agt*	Detroit, Mich.
91 J. H. Morley.....	*Can. Pa. Agt.*	Toronto, Ont.
92 T. S. Rattle.....	*Com. Ft. Agt.*	Chicago, Ill.
93 E. Vliet....	*City Pass.Agt.*	" "
94 F. H. Fogarty....	*Cont.Agts.*	" "
95 L. D. Kneeland....	*Cont.Agts.*	" "

96 *General Agents (Freight).*—F. A. Dohrman, Pittsburgh, Pa.; L. S. Bullard, Pierre, Dak.; H. C. Eckenberger, Portland, Ore.

97 *Travelling Freight Agents.*—W. M. Burgard, Buffalo, N. Y.; J. E. Nichols, Grand Rapids, Mich.; J. D. Mendenhall, Cedar Rapids, Ia.; David Ray, Eagle Grove, Ia.; J. N. Knapp, Fond du Lac, Wis.; F. P. Eyman, Madison, Wis.; H. C. Garvin, Watertown, Dak.

151 Chicago and North Western Ry.—*Travelling Freight Agents.—Continued.*

98 *General Agents (Passenger).*—H. P. Stanwood, San Francisco, Cal.; W. H. Mead, Portland, Ore.

99 *Travelling Passenger Agents.*—E. B. Spain, Buffalo, N. Y.; Chas. Traver, Columbus, O.; A. H. Waggener, Indianapolis, Ind.; F. B. Garvin, Marshalltown, Ia.; Jas. Gibson, Madison, Wis.; H. A. Gross, Lancaster, Pa.; F. M. Snavely, Cleveland, O.; J. A. Murray, Omaha, Neb.; A. G. Barker, Chicago, Ill.; J. H. Young, Salt Lake City, Utah; G. W. Hibbard, Sydney, N. S. W.

General office (C. & N. W. Ry. Co.), 22 Fifth Avenue, Chicago, Ill.; Fiscal agency, 52 Wall St., New York City.

ASSOCIATED LINES.

(*a*) *Fremont, Elkhorn and Missouri Valley RR.*—Fremont to Douglas, 546.3 miles; branches, Fremont to Lincoln, 52.1 miles; Scribner to Lindsay, 60.8 miles; Norfolk to Creighton, 42.1 miles; Dakota Junc. to Rapid City, 98.7 miles; and

(*b*) *Sioux City and Pacific RR.*—Sioux City to Fremont, 107.4 miles.

OFFICERS OF BOTH RAILROADS.

1 Marvin Hughitt ...	*President.* ...	Chicago, Ill.
2 M. L. Sykes	*V-PS C&P RR*	New York, N. Y.
3 Albert Keep.....	*V-P.FE&MV.*	Chicago, Ill.
4 M.M.Kirkman[2,4,9,10]	*Treas. & Com.*	" "
5 J. B. Redfield.....	*Sec.&Auditor*	" "
6 W. F. Fitch.....	*Gen.Manager.*	Missouri Vy., Ia.
7 C. M. Lawler.....	*Gen. Supt.....*	" "
8 J. R. Buchanan[6]...	*G. Pass. Agt..*	" "
9 K. C. Morehouse..	*Gen.Ft.Agent.*	" "
10 G. F. Wheelock...	*As. G. Ft.Agt.*	" "
11 O. W. Whittlesey.	*Gen.Bag. Agt.*	" "
12 J. E. Ainsworth...	*Chf.Engineer.*	" "
13 E. Gerber	*Ass't Chf.Eng.*	" "
14 Sam'l C. Doty.....	*Ass't Eng'n'r.*	Chadron, Neb.
15 Jno. B. Hawley ...	*Gen. Att'y....*	Fremont, Neb.
16 R. W. Hamer	*Purch. Agent.*	Chicago, Ill.
17 S. A. Teal.....	*Mast. Mach...*	Missouri Vy., Ia.
18 James E. Marsh...	*Car Acc'tant..*	" "
19 W. H. Ramsever..	*Mast. Car Bldr*	" "
20 John J. Conolly...	*For. Car Shops*	" "
21 Chas. W. Filkins..	*For. Car Shops*	Sioux City, Ia.
22 C. J. Chapman...	*For. Car Shops*	Norfolk, Neb.
23 Geo. L. Harner....	*For. Car Shops*	Chadron, Neb.
24 Chas. C. McPherson	*For. Car Shops*	Missouri Vy., Ia.
25 P. W. Brown.....	*Storek. & Acct.*	" "
26 Edw. T. Bassett...	*Storek. & Acct.*	Chadron, Neb.
27 W. F. Van Bergen	*Ticket Auditor*	Chicago, Ill.
28 W. S. Hartwell....	*Freight Aud..*	" "

29 *Road Supervisors.*—M. Johnson, Missouri Valley, Ia.; M. Stafford, Long Pine, Neb.; P. Stafford, Norfolk, Neb.; A. King, Fremont, Neb.; J. O'Bryan, Long Pine, Neb.; J. B. Moran, H. Hooker, Chadron, Neb.; J. Holmes, Scribner, Neb.; D. A. Nash, Douglas, Wyom.

30 H. C. Cheyney....	*Spec. Pass. A.*	Omaha, Neb.
31 W. F. Post.....	*Trav. F. Agt..*	Missouri Vy., Ia.
32 J. W. Coria.....	*Trav. P. Agt..*	" "
33 E. T. Horn	*Ass't Supt...*	Norfolk, Neb.
34 Wm. C. Halsey....	*Ass't Supt....*	Chadron, Neb.
35 W. E. Tator.....	*Train Disp'r.*	Norfolk, Neb.
36 F. G. Fuller.....	*Train Disp'r.*	Chadron, Neb.
37 C. C. Hughes.....	*Train Master.*	" "
38 E. C. Harris.... ..	*Train Disp'r.*	Missouri Vy., Ia.
39 I. B. Potter.....	*Supt. of Teleg.*	" "
40 G. Warlick..	*F'man Painter*	" "
41 J. S. Wattles.....	*G. Road Mast.*	" "
42 Henry Thurber....	*Forem. Bridg.*	" "

General Offices, Chicago cor. Kinzie and Market Sts.; New York, 52 Wall St.; Missouri Valley, Ia.; Fremont, Neb.

(*c*) *Chicago, St. Paul, Minneapolis and Omaha Ry.*

1 Marvin Hughitt....	*President. ....*	Chicago, Ill.
2 M. L. Sykes.....	*V.-P., T. & A.S*	New York, N. Y.
3 E. E. Woodman....	*Secretary.....*	Hudson, Wis.

☞ *See note of explanation on first page.*

151 Chicago and North Western Ry.—*Chicago, St. Paul, Minneapolis and Omaha Ry.*—*Continued.*

4 S. O. Howe	*Ass't Treas.*	New York, N. Y.
5 G. A. Hamilton[2 4 9 10]	*Local Treas.*	St. Paul, Minn.
6 E. W. Winter	*Gen. Manager.*	" "
7 J. M. Whitman	*Gen. Supt.*	" "
8 F. B. Clarke	*G. Traffic M.*	" "
9 T. W. Teasdale[6]	*G.P.& Tk.Agt*	" "
10 James T. Clark	*Gen. Ft. Agt.*	" "
11 M. F. Bagley	*Ass't G.Fgt.A*	" "
12 F. B. Whitney	*Ass't G.Fgt.A*	Minn'apolis, Minn
13 C. W. Johnson	*Chief Eng.*	St. Paul, Minn.
14 L. A. Robinson[2]	*Auditor*	" "
15 W. H. S. Wright	*Purch. Agent*	" "
16 W. H. Phippe	*Land Com.*	Hudson, Wis.
17 J. E. Moore	*Land Com.*	St. Paul, Minn.
18 John D. Howe	*Gen. Solicitor.*	" "
19 R. T. Flournoy	*Lumber LAg.*	" "
20 A. Drexmal[7 8 11]	*Car Account't.*	" "
21 O. F. Briggs	*Gen. Agts.*	Omaha, Neb.
22 H. C. Eckenberger	*Gen. Agts.*	Portland, Ore.
23 W. H. Mead	*Gen. Agts.*	" "
24 C. F. M. Tinling	*Gen. Agts.*	Miles City, Mont.
25 Stanley Proudfit	*Contr'ng Ag.*	St. Paul, Minn.
26 H. C. Hope	*Supt. of Teleg.*	" "
27 Edmond L. Poole	*Claim Agent*	" "
28 L. S. Johnson	*Ass't Eng.*	" "
29 L. G. Wilcox	*Ass't Eng.*	" "
30 G. L. Cresson	*Ass't Eng.*	" "
31 M. Ellis	*Master Mech.*	" "
32 John J. Ellis	*Ass't M. Mech.*	" "
33 J. K. Brasell	*Fn. Loco. Rep.*	Altoona, Wis.
34 W. C. Dallas	*Fn. Loco. Rep.*	E. St. Paul, Minn.
35 H. Coburn	*Fn. Loco. Rep.*	Omaha, Neb.
36 H. L. Preston	*Mast. Car Bdr.*	Hudson, Wis.
37 F. Christophel	*Fn. Car Rep.*	St. Paul, Minn.
38 F. E. Warner	*Fn. Car Rep.*	Minn'apolis, Minn
39 J. W. Lidick	*Fn. Car Rep.*	Sioux City, Ia.

40 *Road Masters.*—J. C. Thurston, Black River Falls, Wis.; W. T. Payne, E. St. Paul, Minn.; Geo. King, Chippewa Falls, Wis.; E. Carnes, Worthington, Minn.; R. A. Willis, Omaha, Neb.; James Hallett, New Richmond, Wis.; A. Cox, Le Sueur, Minn.; W. H. McConnell, Sioux Falls, Dak.

Eastern Division.—255 99 miles.

41 James McCabe	*Superintend't.*	St. Paul, Minn.

Northern Division.—337.59 miles.

42 James McCabe	*Superintend't.*	St. Paul, Minn.

St. Paul and Sioux City Division.—521.27 miles.

43 H. Spencer	*Superintend't.*	Mankato, Minn.
44 H. C. Anderson	*A.Mast.Mech.*	Sioux City, Ia.

Nebraska Division.—245.46 miles.

45 H. S. Jaynes	*Superintend't.*	Omaha, Neb.

General office (C., St. P., M. & O. Ry.), St. Paul, Minn. Financial office, 52 Wall St., New York, N. Y.

152 Chicago and Ohio River RR.—Sidell to Olney, 89 miles.

1 C. E. Henderson	*Gen. Manager*	Indianapolis, Ind.
2 W. W. Lynn[3 4 9 10]	*Cashier*	" "
3 H. M. Bronson	*G. P. & T. A.*	" "
4 F. N. Boyer	*Gen. Ft. Agt.*	Olney, Ill.
5 C. B. Lockwood[2 7 8]	*Auditor*	Indianapolis, Ind.
6 W. A. Bell	*Mast. Mech.*	Kansas, Ill.
7 P. A. Marsh	*Train Master.*	Indianapolis, Ind.
8 W. G. Diddle	*Road Master.*	" "
9 J. H. M. Claggett	*Car Account't.*	" "

General office, Indianapolis, Ind. Transfer office, Boston, Mass.

153 Chicago, Rock Island and Pacific Ry.—Chicago to Council Bluffs, 500 miles; branches, 884 miles.

1 R. R. Cable	*P.& Gen. Mgr.*	Chicago, Ill.
2 David Dows	*1st V.-Pres.*	New York, N. Y.
3 A. Kimball	*2d V.-Pres.*	Chicago, Ill.
4 W. G. Purdy[3 4 9 10]	*Sec. & Treas.*	" "
5 E. St. John	*Ass't Gen. M.*	" "
6 H. F. Royce	*Gen. Supt.*	" "

153 Chicago, Rock Island and Pacific Ry.—*Continued.*

7 J. R. Cowing	*A. S. & As. T.*	New York, N. Y.
8 J. F. Phillips	*Cashier.*	Chicago, Ill.
9 F. W. Porter	*Auditor*	" "
10 E. A. Holbrook	*G. T. & P. A.*	" "
11 Geo. H. Smith	*A.G.T.& P.A.*	" "
12 W. M. Sage	*Gen. Ft. Agt.*	" "
13 J. M. Johnson	*A.Gen.Fst.Ag*	" "
14 Daniel Atwood	*As.Gen.Ft. Ag*	" "
15 F. A. Marsh	*Purch. Agent.*	" "
16 Arthur Temple[3]	*Ticket Auditor*	" "
17 G. H. Crosby	*Freight Aud.*	" "
18 Thos. F. Withrow	*Gen. Solicitor.*	" "
19 F. E. Hayne	*Paymaster*	" "
20 J. D. Marston	*Gen. Bag. Ag.*	" "
21 T. B. Twombly	*Master Mech.*	" "
22 B. K. Verbruyck	*Mast. Car Bdr*	" "
23 J. L. Drew	*Land Comm'r.*	Davenport, Ia.
24 A. R. Swift	*Supt. Teleg.*	Chicago, Ill.
25 C. F. Drew[7 8 11]	*Car Service A.*	" "
26 Corn Exchange Bk	*Reg. of Stock*	New York, N. Y.
27 M. R. Wood	*Fuel Agent*	Chicago, Ill.
28 J. Rattenbury	*M.Car Paint'r*	" "
29 A. B. Farnsworth	*G. E. Pas. Ag.*	New York, N. Y.
30 F. B. Mesick	*G. E. Ft. Agt.*	" "
31 F. M. Day	*Con't. Agent*	Kansas City, Mo.
32 J. A. Sheppard	*N. W. Pas. A.*	Chicago, Ill.

Illinois Division.

33 R. H. Chamberlain	*Superintend't.*	Chicago, Ill.
34 R. Biester	*As. Mas. Mech.*	" "
35 S. Pullman	*A.Mas.C. Bdr.*	" "
36 H. A. Parker	*Engineer*	" "
37 E. Baker	*Div.Road Mas*	Joliet, Ill.

Iowa Division.

38 John Given	*Superintend't.*	Des Moines, Ia.
39 J. G. Crockett	*As. Mas.Mech.*	Stuart, Ia.
40 J. E. Morrill	*As. Mas.Mech.*	Davenport, Ia.
41 C. M. Leonard	*A.Mas.C. Bdr.*	" "
42 B. B. Brayton	*Engineer*	" "
43 J. H. Preston	*Div.Road Mas*	Des Moines, Ia.
44 W. W. Loomis	*Trav. Ft. Agt.*	" "

Keokuk and Des Moines Division.

45 John Given	*Superintend't.*	Des Moines, Ia.
46 J. C. Coombs	*Ass't Supt.*	Keokuk, Ia.
47 S. W. Wakefield	*As.Mas. Mech.*	" "
48 Henry Kummer	*As.Mas.C.Bdr*	" "
49 W. F. Lee	*Road Master.*	" "
50 W. W. Loomis	*Trav. Ft. Agt.*	Des Moines, Ia.

South Western Division.

51 G. F. Walker	*Superintend't.*	Trenton, Mo.
52 R. O. Carscadin	*As. Mas. Mech.*	" "
53 C. R. Best	*As.Mas.C.Bdr*	" "
54 G. W. Dye	*Div.RoadMast*	Washington, Ia.
55 F. M. Day	*Trav. Ft. Agt.*	Cameron, Mo.

General office, Chicago, Ill. Fiscal agency, Corn Exchange Bank, New York, N. Y.

154 Chicago, Santa Fe and California Ry.—Chicago to Pekin, 152 miles. (Successor to Chicago and St. Louis RR.) Controlled by Atchison system.

1 Norman Williams	*P.& Gen. Mgr.*	Chicago, Ill.
2 C. S. Tuckerman	*Treasurer*	" "
3 A. H. Crocker	*Superintend't.*	Streator, Ill.
4 B. T. Lewis	*Gen. T. Agent*	Chicago, Ill.
5 C. S. Sutton	*Auditor*	" "
6 Emmons Blaine	*G.F.& P. Agt.*	" "
7 A. C. Armstrong	*Purch. Agent.*	" "

General office, Chicago, Ill.

155 Chicago, St. Louis and Pittsburgh RR.

See Pennsylvania System.

156 Chicago and St. Louis RR.

See Chicago, Santa Fé and California Ry.

157 Chicago, St. Paul and Kansas City Ry.

See Minnesota and Northwestern RR.

☞ *See note of explanation on first page.*

158 Chicago, St. Paul, Minneapolis and Omaha Ry.

See Chicago and North Western Ry. System.

159 Chicago and Western Indiana RR.—Chicago to Dolton, 17 miles; Hammond Extension, 10 miles; and

Belt Railway of Chicago.—C., M. & St. P. RR. to South Chicago, 22 miles.

OFFICERS OF BOTH ROADS.

1	John B. Carson....	*President*.....	Chicago, Ill.
2	M. J. Clark[7 9 11]..	*Sec. & Auditor*	" "
3	G. W. Stokes[3]	*Treasurer*	" "
4	James D. Carson.	*Gen. Manager*	" "
5	C. M. Osborn.. ...	*Gen. Solicitor.*	" "
6	R. W. Johnson	*Mast. Mech*....	" "
7	J. M. Ranney.. ..	*M. Tran. B. Ry*	" "
8	E. A. Fuller	*Gen. Bag. Agt.*	" "
9	C. C. Nash.....	*Purch. Agent* .	" "
10	J. P. Doom..	*Road Master*..	" "
11	W. J. Holton.....	*Supt. of Teleg.*	" "

160 Chicago and Western RR.—In the city of Chicago, 1.5 miles.

1	Henry B. Coxe . ..	*President* .. .	New York, N. Y.
2	Geo. Merryweather.	*Vice-President*	Chicago, Ill.
3	J. F. Price.....	*Secretary*.....	" "

161 Chicago and West Michigan Ry.—La Crosse to Pentwater, 209 miles; branches, 205 miles.

1	Nathaniel Thayer.	*President*....	Boston, Mass.
2	J. B. Mulliken.....	*V.-P. & G. M.*	Muskegon, Mich.
3	Charles Merriam..	*Sec. & Treas*..	Boston, Mass.
4	F. A. Nims	*Solicitor*	Muskegon, Mich.
5	Ch's L. Gunn[2 4 9 10]	*As. T. & Pmr.*	" "
6	J. K. V. Agnew...	*General Supt*..	Grand Rapids, Mi.
7	W. A. Carpenter...	*Traffic Mgr*...	Muskegon, Mich.
8	W. A. Gavett.....	*Ass't G. P. A.*	Grand Rapids, Mi.
9	M. W. Rose.....	*Ass't G. F. A.*	" "
10	J. W. Petheram...	*Chief Engin'r.*	" "
11	U. B. Rogers[7 8 11]	*Auditor*..... ..	Muskegon, Mich.
12	G. J. Daily.....	*Ft. Account't.*	" "
13	F. W. Stilson[3]	*Tkt. Account't.*	" "
14	H. P. Dearing.....	*Gen. Bag. Ag.*	Chicago, Ill.
15	Allan Bourn	*Purchas'g Ag.*	Detroit, Mich.
16	J. M. Sterling. ...	*Gen. R'd Mast.*	Grand Rapids, Mi.
17	George C. Watrous	*S. M. P. & R. S.*	Muskegon, Mich.
18	T. C. Clark.....	*Claim Agent*..	" "
19	F. O. Nye.....	*Supt. Teleg'ph*	Holland, Mich.
20	C. Markham.....	*Div. R. Master.*	" "
21	H. D. Hunt	*Div. R. Master.*	" "
22	J. McLoughlin	*Div. R. Master.*	White Cloud, Mic.
23	J. C. Werscakul...	*Foreman C. S.*	Muskegon, Mich.
24	F. Pease	*F'n. Loco. Rps.*	" "
25	Edward Aubrey...	*F. Paint Shop.*	" "
26	P. Conley	*Mast. Transp.*	Holland, Mich.
27	John R. Wood....	*Trav. Pass. A.*	Detroit, Mich.
28	John Wykes	*Trav. Auditor*	Grand Rapids, Mi.

General office, Muskegon, Mich. Transfer office, 26 Sears Building, Boston, Mass.

162 Cincinnati, Columbus and Hocking Valley RR.—Jeffersonville to Clayville Junction, 28 miles.

1	C. F. Langdon.....	*President*.....	Chicago, Ill.
2	D. W. Riordan.....	*Manager*.....	Jeffersonville, O.
3	E. T. Bales.....	*Auditor*.....	Bowersville, O.
4	A. M. Simmons	*G. Ft. & P. Agt.*	Chicago, Ill.

General office, Jeffersonville, O.

163 Cincinnati and Eastern Ry.

See Ohio and Northwestern.

164 Cincinnati, Georgetown and Portsmouth RR.—Cincinnati to Georgetown, 42 miles.

1	M. E. Ingalls[4].....	*President*.....	Cincinnati, O.
2	Ralph Peters[5].....	*V.-Pres. & G. M*	" "
3	H. G. Roelker[3 4 9 10]	*Sec. & Treas*..	" "
4	E. W. White[1 2 6 7 8]	*Audit. & Gen. Fgt. & Pas. Ag.*	" "
5	Thos. Taggart.....	*Superintend't.*	" "

165 Cincinnati and Green River RR.—King's Mountain to Yosemite, 15 miles.

1	E. Zimmerman....	*President*.....	Cincinnati, O.
2	Lowe Emerson.....	*Vice-President*	" "
3	J. J. Perkins.....	*Treasurer* ...	" "
4	R. A. Holden, Jr...	*Secretary*.....	" "
5	George B. Harper[5].	*G. S. & R. M.*	Yosemite, Ky.
6	A. Evans.....	*Chief Eng*....	" "
7	Matthew Horton...	*Mast. Mech*....	" "

General office, Yosemite, Ky. Transfer office, Cincinnati, O.

166 Cincinnati, Hamilton and Dayton RR.—Cincinnati to Dayton, 60 miles; branches, 294 miles.

1	Geo. H. Stayner..	*President*....	Cincinnati, O.
2	C. C. Waite.....	*Vice-Presid'ts.*	" "
3	H. S. Ives.....	*Vice-Presid'ts.*	" "
4	E. Zimmerman.	*Vice-Presid'ts.*	" "
5	E. W. Woodruff..	*Sec. & Treas*..	" "
6	F. H. Short.....	*A. Sec. & Treas*	" "
7	C. C. Waite.....	*Gen. Manager.*	" "
8	Geo. W. Lishawa.	*Auditor*	" "
9	Chas. Neilson.....	*Superintend't.*	" "
10	A. H. McLeod...	*Gen. Fgt. Agt.*	" "
11	Samuel Stevenson.	*Gen. Bag. Agt.*	" "
12	C. H. Rockwell...	*G. P. & T. A.*	" "
13	J. Ramsey, Jr....	*Chief Eng*....	" "
14	W. J. Mulvihill...	*Car Acc'nt*...	" "
15	W. H. Corry.....	*Mast. of Mach.*	Lima, O.
16	W. H. H. Allison..	*M. of C. Rep'rs*	Cincinnati, O.
17	James Bruce.. ...	*Mast. Transp.*	" "
18	Henry Golden....	*Su. Bg. & Bld.*	Hamilton, O.
19	M. Mounts.....	*Division Supt.*	Indianapolis, Ind.
20	James Bruce.....	*Division Supt.*	Cincinnati, O.
21	T. Sullivan.....	*Division Supt.*	Lima, O.
22	R. Brennan.....	*Supervisor*....	Hamilton, O.
23	H. Pierce.	*Supervisor*....	Connersville, Ind.
24	J. Taubken	*Supervisor*....	Toledo, O.
25	John Black, Jr....	*F. Loco. Rep'rs*	Lima, O.
26	Chas. Albert.....	*F. Car Rep'rs.*	Cincinnati, O.
27	Henry C. Vilas...	*G. Fast. F. A.*	New York, N. Y.
28	W. H. Gunzelman	*Train Disp*...	Cincinnati, O.
29	S. B. Kramer.....	*Train Disp*...	Indianapolis, Ind.
30	L. P. Minier.....	*Supt. Teleg*...	Cincinnati, O.

(a) *McComb, Deshler and Toledo RR.*

31	Chas. Neilson.....	*Superintend't.*	Cincinnati, O.

General office (C., H. & D. RR.), Cincinnati, O. Financial Agency, Henry S. Ives & Co., 25 Nassau St., New York, N. Y.

167 Cincinnati, Hocking Valley and Huntington RR.—Adelphi to Kingston, 18 miles.

1	Marcus Boggs.....	*President*.....	Adelphi, O.
2	John Karshner.....	*Gen. Manager*	" "
3	Robt. Swinehart....	*Secretary*.. ...	" "

168 Cincinnati, Indianapolis, St. Louis and Chicago Ry.—Cincinnati to Kankakee, 250 miles; branches, 160 miles.

1	Melville E. Ingalls	*President*.....	Cincinnati, O.
2	E. F. Osborn[3 4 7 8 9 10]	*Sec. & Treas*..	" "
3	J. W. Sherwood..	*Superintend't*.	Indianapolis, Ind.
4	John Egan...	*G. P. & T. A.*	Cincinnati, O.
5	H. J. Page.....	*Gen. Fgt. Agt.*	" "
6	W. C. Hobbs.....	*Ass't G. F. A.*	Chicago, Ill.
7	T. O. Morris.....	*Chief Eng*....	Indianapolis, Ind.
8	E. A. Hermann...	*Ass't Chf Eng.*	" "
9	J. S. Patterson....	*Mast. Mach.*	Cincinnati, O.
10	A. Wipper[5].....	*F. & Tkt Acc'nt*	" "
11	J. Heglin.....	*Gen. Bag. Agt.*	" "
12	George Tozzer....	*Purch. Agent*.	" "
13	B. F. Sipp[11].....	*Gen. Car Acc't*	Indianapolis, Ind.
14	P. J. Kelly.....	*Road Master*.	Kankakee, Ill.
15	A. M. Stimson....	*General Agent*	Lafayette, Ind.
16	W. H. Page... ...	*Trav. Pass. Ag*	Cincinnati, O.
17	C. W. Norris.....	*Trav. Pass. Ag*	Chicago, Ill.
18	Theo. F. Brown..	*Trav. Pass. Ag*	Chattan'go, Tenn.
19	C. S. LaFollette..	*West. Pass. Ag.*	Lafayette, Ind.
20	J. H. Martin.....	*Dist. Pass. Agt*	Indianapolis, Ind.
21	J. C. Tucker.....	*G. N. W. P. A.*	Chicago, Ill.

General office, Cincinnati, O. Registrar of Stock,

☞ *See note of explanation on first page.*

168 Cincinnati, Indianapolis, St. Louis and Chicago Ry.—*Continued.*

American Exchange National Bank, New York, N. Y. Transfer office, Morton, Bliss & Co., New York, N. Y. Car Repair Shops at Cincinnati, O.

169 Cincinnati, Jackson and Mackinaw RR.—Cecil to Franklin, 180 miles.

1	J. M. C. Marble..	*Pres. & Gen. M.*	Van Wert, O.
2	Geo. R. Sheldon..	*Vice-President*	New York, N. Y.
3	G. L. Marble.....	*Sec. & A. to G. M*	Van Wert, O.
4	W. C. Gardner....	*Ass't Sec.*.....	New York, N. Y.
5	Richard Smith....	*Treasurer*	" "
6	A. V. Rice.....	*Ass't Treas*...	Van Wert, O.
7	H. R. Johnston[2 6].	*Gen. F. & P. A.*	" "
8	J. H. Hackett. ...	*Trav. F. & P. A*	" "
9	G. L. Thomas....	*Gen. No. Agt.*	Toledo, O.
10	J. W. Rimer.....	*Chief Eng*....	Van Wert, O.
11	G. L. Schenck ...	*Chief Tr. Disp.*	" "
12	G. H. Wappner[3 7 8 9]	*Au. & Pur. Agt*	" "
13	May Wappner....	*Car Acc'nt*..	" "
14	L. W. Buckmaster[11]	*Supt. Transp.*	" "
15	J. M. Wilkinson.	*M. B'dge Carp.*	" "
16	B. F. Marshall....	*Master Mech.*	" "
17	S. S. Rigby.....	*Mast. Car Repe*	" "
18	J. F. Cooney.....	*Road Master*..	Greenville, O.

General office, Van Wert, O. Transfer office, 4 Wall Street, New York, N. Y.

170 Cincinnati, Lebanon and Northern Ry.—Cincinnati to Dodds, 38 miles; Dodds to Dayton, main line leased, 23 miles; gauge, 3 feet.

1	Geo. Hafer[2 4 9 10]	*Pres. & Treas. & Gen. Mgr.*	Cincinnati, O.
2	J. F. Winslow.....	*Secretary*.....	" "
3	P. L. Dudley[2 7 8]...	*A. & G. F. & P A*	" "
4	A. J. Love.....	*Mast. of Trans*	" "
5	F. E. Voight.....	*Su. M. P. & M.*	" "
6	H. E. Talbott.....	*Chief Eng*....	" "

General office, Cincinnati, O. Repair Shops at Cincinnati, O.

171 Cincinnati and Muskingum Valley Ry.—Morrow to Dresden Junction, 148.5 miles.

1	Thomas D. Messler	*President*.....	Pittsburgh, Pa.
2	J. E. Davidson[3 4 9 10]	*Treasurer*[6]...	" "
3	F. G. Darlington..	*Sec. & Supt*...	Zanesville, O.
4	G. W. Davis[6].....	*G. F. & T. A.*	" "
5	J. W. Renner[2 7 8]..	*Auditor*	Pittsburgh, Pa.
6	John S. Brasee....	*Solicitor*.....	Lancaster, O.
7	Wm. Mullins.....	*Pur. Agt*.....	Pittsburgh, Pa.

General office, Zanesville, O. Locomotive and Car Repair Shops at Lancaster, O.

172 Cincinnati, New Orleans and Texas Pacific Ry.

See Queen and Crescent Route.

173 Cincinnati Northwestern RR.—Cincinnati to Mt. Healthy, 13 miles.

1	John R. Davey.....	*President*.....	Cincinnati, O.
2	Robert Simpson ...	*Treas. & G.M.*	" "
3	William T. Simpson	*Secretary*.....	" "

General office, 182 West 4th St., Cincinnati, O. Locomotive and Car Repair Shops at Mt. Healthy, O.

174 Cincinnati, Selma and Mobile Ry.—Selma to Akron, 71 miles.

1	Fred. Wolffe.....	*President*.....	New York, N. Y.
2	Maximilian Calm..	*Secretary*.....	" "
3	H. M. Abbett[2 4 9 10]	*Treasurer*	Atlanta, Ga.
4	Cecil Gabbett.....	*G. M. & P. A.*	Montgomery, Ala.
5	C. H. Cromwell[2 8]..	*G. F. & P. A.*	" "
6	Jas. E. Worswick..	*Master Mech*..	" "
7	E. B. McDaniel ...	*Car Acc'nt*....	" "
8	W. H. McGinnis...	*Road Master*..	Marion, Ala.
9	J. C. McKenzee....	*Train Disp*...	Montgomery, Ala.

General office, Selma, Ala. New York office, 35 William St.

175 Cincinnati and Southeastern Ry.—Johnson to Hillsboro', 19 miles.

1	Charles Miller.....	*President*.....	Franklin, Pa.
2	Wm. Mahl.....	*Vice-President*	New York, N.Y.
3	E. H. Sibley..	*Sec. & Treas*..	Franklin, Pa.
4	J. E. French.....	*General Man*..	Cleveland, O.
5	W. M. Sibley.....	*Superintend't*.	Flemingsb'rg, Ky.
6	N. S. Dudley[5].....	*G. F. & P. A.*	" "

General office, Flemingsburg, Ky.

176 Cincinnati, Wabash and Michigan Ry.—Benton Harbor to Anderson, 164 miles.

1	J. H. Wade.....	*President*....	Cleveland, O.
2	William Bingham.	*Vice-President*	" "
3	W. S. Jones.....	*Sec. & Treas*..	" "
4	N. Beckley[3 4 9 10]	*Gen. Manager*	Elkhart, Ind.
5	O. W. Lamport....	*Superintend't*.	Wabash, Ind.
6	Owen Rice.....	*G. F. & T. A.*	Elkhart, Ind.
7	A. V. Peck.....	*Chief Eng*....	" "
8	E. D. Wheelock[2 7 8]	*Auditor*.....	" "
9	S. B. Tinker	*Master Mech*..	Wabash, Ind.
10	Edw. F. Beckley..	*Gen. Bag. Agt.*	Elkhart, Ind.
11	William Green....	*Supt. of Brdge.*	Wabash, Ind.
12	W. A. Caul.....	*Supt. Teleg*...	" "
13	C. H. Briggs.....	*Train Master.*	" "
14	R. Melrose.....	*Road Masters.*	" "
15	E. Mulcahy.....		Niles, Mich.
16	R. C. Hines.....	*M. Car Paint.*	Wabash, Ind.
17	G. C. Petty.....	*Forem. Car Br.*	" "
18	John Griswold....	*Forem. Mach.*	" "
19	Thomas Catron...	*Forem. B'smth*	" "
20	Stephen Fox.....	*Forem Car Rep*	" "
21	W. Green.....	*Forem. Brdge.*	" "
22	J. C. Peck.....	*Forem Paint S*	" "

General office, Elkhart, Ind. Transfer office, Cleveland, O.

177 Cincinnati, Washington and Baltimore RR.—Cincinnati to Belpre, 193 miles; branches, 88 miles.

1	Orland Smith .. .	*President*	Cincinnati, O.
2	E. R. Bacon.....	*Vice-President*	New York, N. Y.
3	W. E. Jones.....	*Treasurer*	Cincinnati, O.
4	C. F. Low[3 4 7 8 9 10]	*Sec. & Auditor*	" "
5	J. H. Stewart[6]....	*Gen. Manager*	" "
6	R. M. Fraser	*Gen. Fgt. Agt.*	" "
7	C. K. Lord[2].....	*Gen. Pass. Agt.*	" "
8	W. H. King.....	*Ass't G. P. A.*	" "
9	J. Heglin.....	*Gen. Bag. Agt.*	" "
10	J. E. Rose.....	*Mast. of Trans*	" "
11	S. W. Stone.....	*Mast. of Road.*	" "
12	C. A. Berry.....	*Supt. of Teleg.*	Chillicothe, O.
13	T G. Duncan.....	*Supt. Car Dept*	Zaleski, O.
14	C. Mendenhall....	*Supt. of Exp.*	Cincinnati, O.
15	E. Evans.	*Master Mech* .	Chillicothe, O.
16	J. A. Consnt.....	*Car Account't.*	Cincinnati, O.
17	McClintock & Smith	*Gen. Counsel.*	" "
18	E. E. Patton.....	*Trav. Pass. Ag*	Chillicothe, O.

General office, Cincinnati, O. Transfer office, Farmers' Loan and Trust Co., New York, N. Y.

178 Cincinnati and Westwood RR.—Cincinnati to Robb's Station, 6 miles.

1	F. W. Schwartze...	*President* ...	Cheviot, O.
2	M. Schwartz.....	*Vice-President*	Cincinnati, O.
3	C. Werk	*Sec. & Treas*..	" "
4	M. Werk.....	*Gen. Supt*.....	" "

General office, 12 Poplar St., Cincinnati, O.

179 Cincinnati, Wheeling and New York RR.—Cumberland to Morgan's Junction, 18 miles.

1	Thomas R. Sharp..	*President*	New York, N. Y.
2	F. M. Atkinson ...	*1st Vice-Pres.*	Batesville, O.
3	W. D. Gallagher....	*2d Vice-Pres.*	" "
4	W. H. Atkinson....	*Sec. & Treas.*	" "
5	E. C. Winstanley[5]..	*Gen. Manager.*	Cumberland, O.
6	L. J. Cutler.....	*Gen. Tkt. & F A*	" "
7	W. W. Elliott.....	*Auditor*.....	Batesville, O.
8	J. W. Andrews....	*Chief Engineer*	Urbana, O.

General office, Cumberland, O. New York office, 1 Broadway. Transfer office, Batesville, O. Locomotive and Car Repair Shops at Cambridge, O.

☞ *See note of explanation on first page.*

RAND, McNALLY & CO.

Have again completely revised the seven tons of standing type, and added ten thousand miles of new railroad constructed during 1886 to the maps of the

INDEXED BUSINESS ATLAS,

and feel confident that it is by far the ***BEST*** and ***ONLY*** correct book of the kind published, and take pleasure in announcing that the 1887 edition

IS NOW READY!

This edition contains ninety-two large scale double-page maps of the United States, Canada, Mexico and other foreign countries.

Maps of New York, Chicago, Boston and other large cities, and over 200,000 indexed cities and towns, with population, and instructions for Shipping by Freight, Express or Mail.

They Have Reduced the Price

FROM $16.00 TO $12.50,

And send, free of charge, to each subscriber, a copy of the Supplemental Changes for Two Years, by means of which the Atlas is brought up to date every quarter, or only 50 cents per month for a book that has cost over $25,000 to make.

RAND, McNALLY & CO.,
148 Monroe Street, Chicago.

NEW YORK STORE:
323 BROADWAY.

180 City and Suburban Ry.—Savannah to Montgomery, 11 miles; branch, 1 mile.

1 James H. Johnston	*President*	Savannah, Ga.
2 R. Schmidt.....	*Treasurer*	" "
3 James A. Mallette..	*Mast. Car Rep.*	" "

181 Clarksburg, Weston and Glenville RR.—Clarksburg to Weston, 26 miles.

1 A. H. Kunst.....	*Pres. & Gen. M*	Weston, W. Va.
2 J. M. Bennett.....	*Vice-President*	" "
3 W. G. Bennett....	*Secretary*.	" "
4 M. W. Harrison...	*Treasurer*	" "
5 E. M. Vandervort.	*Gen. T. & F. A.*	" "
6 Wm. Courtwright.	*Sup'rv. of Bdgs*	Jane Lew, Va.
7 C. P. Rohrborgh..	*S perv. of Tel*	Weston, W. Va.
8 S. A. Steele.	*Foreman of R.*	" "
9 M. Cleary.....	*Supervisor*....	" "

General office, Weston, W. Va. Transfer office, Clarksburg, W. Va.

182 Cleveland, Akron and Columbus RR.—Cleveland to Columbus, 144 miles.

1 N. Monearrat	*Pres. & Gen. M.*	Akron, O.
2 J. A. Horsey	*Vice-President*	New York, N. Y.
3 George D. Walker	*Secretary*.	Cleveland, O.
4 E. C. Janes	*Gen. Ft. & P. A.*	Akron, O.
5 H. B. Dunham....	*Ass't G. Ft. A.*	" "
6 C. O. Wood	*Ass't G. P. A.*	" "
7 C. W. Schaap[2,3,4,7,8,9,10]	*A. Tr. & Paym.*	" "
8 James Harrington.	*Chief Engin'r.*	" "
9 G. M. Taylor	*Master Mech*..	Mt. Vernon, O.
10 Charles Roberts..	*Mast. Car Rep.*	" "
11 R. G. Sharpe[11]...	*Mast. F. & S. T.*	Akron, O.
12 J. F. Donelon.....	*Road Master*..	" "
13 F. W. Buskirk....	*Pass. Agent*..	Cincinnati, O.
14 W. D. Buss	*Pass. Agent*..	Cleveland, O.
15 B. H. Akin....	*Pass. & Cont. A.*	Columbus, O.
16 E. D. Fullerton....	*T. Ft. & Pass. A*	Akron, O.
17 John Henry.....	*Foreman L. R.*	Mt. Vernon, O.
18 B. F. Harris.....	*Master Car P.*	" "

General office, Akron, O.

183 Cleveland and Canton RR.—Cleveland to Coshocton, 115 miles; branches, 46 miles.

1 H. A. Blood.....	*Pres. & G. Man.*	Boston, Mass.
2 Wm. O. Chapman	*V.-P. & Treas.*	" "
3 E. D. Hewins....	*As. T. & Tr. A.*	" "
4 D. K. Stevens....	*Secretary*.	" "
5 J. W. Wardwell...	*Superintend't.*	Cleveland, O.
6 Albert Rokusek..	*Gen F. & P. A.*	" "
7 A. Thierry.....	*Auditor*	Canton, O.
8 Charles H. Blood.	*Gen. Counsel.*	Boston, Mass.
9 Samuel D. Mayer.	*Train Master.*	Canton, O.
10 John Bean.....	*Master Mech*..	" "

General office, Canton, O. Transfer office, 8 Congress St., Boston, Mass.

184 Cleveland, Columbus, Cincinnati and Indianapolis Ry.

See Bee Line.

185 Cleveland, Delphos and St. Louis RR.

See Cleveland and Western RR.

186 Cleveland, Lorain and Wheeling RR.—Lorain to Bridgeport, 158 miles.

1 Selah Chamberlain	*President*	Cleveland, O.
2 W. S. Streator ...	*Vice-President*	" "
3 C. L. Cutter[2,4,9,10]	*Sec. & Treas*..	" "
4 Oscar Townsend[8].	*Gen. Manager.*	" "
5 Wm. Thornburgh[11]	*Superintend't.*	Lorain, O.
6 W. H. Grout.	*Gen. F. & P. A.*	Cleveland, O.
7 W. H. Park[2,7,8]...	*Auditor*	" "
8 Frank M. Townsend	*Paymaster*	" "
9 James Reynolds..	*Road Master*..	Sterling, O.
10 J. W. Tyler.....	*Gen. Counsel*..	Cleveland, O.
11 F. E. Now.....	*Supt. Teleg*...	" "
12 S. S. Howell.....	*Chief Train D.*	Lorain, O.
13 C. H. Warburton.	*Master Mech*..	" "
14 George Butts.....	*Foreman C. D.*	" "

General office, Mercantile Bank Building, Cleveland, O.

187 Cleveland and Marietta RR.—Marietta to Canal Dover, 98 miles; leased Canal Dover to Valley Junction, 7 miles.

1 A. T. Wikoff.....	*Pres. & Gen. M.*	Cambridge, O.
2 G. H. Candee.....	*Sec. & Treas*..	New York, N. Y.
3 J. C. Taylor.....	*Car Account't.*	Cambridge, O.
4 F. G. Jewett.....	*Gen. F. & P. A.*	" "
5 C. C. Pickering....	*Aud. & Pur. A.*	" "
6 C. L. Gould.....	*Chief Engineer*	" "
7 A. Galloway..... ..	*Master Mech*..	" "
8 W. Quinn.....	*Supt. Transp*..	" "
9 J. I. Kidd.....	*Road Master*..	" "

General office, Cambridge, O.

188 Cleveland and Western RR.—Delphos to Carey, 56 miles.

1 William Semple....	*President*	Allegheny, Pa.
2 W. C. Mobley.....	*Gen. Manager.*	Delphos, O.
3 C. W. Risley.....	*Au. & G F & P A*	" "

189 Cleveland, Youngstown and Pittsburgh Ry.

See Lake Erie, Alliance and Southern Ry.

190 Clove Branch RR.

See Newburg, Dutchess and Connecticut RR.

191 Cobourg, Peterboro' and Marmora Ry.—Cobourg to Chambliss, 37 miles; branches, 11 miles.

1 W. P. Chambliss...	*Pres. & Treas.*	Cobourg, Ont.
2 B. O. King.....	*Secretary*. ...	" "
3 James R. Barber[1,2,3,4,6]	*Gen. Supt*	" "
4 James Clark.....	*Mast of Mach*..	" "
5 P. Sandry.....	*Mast. of Car R*	" "
6 N. Hickman...	*Road Master*..	" "

192 Colorado Central RR.

See Union Pacific RR.

193 Colorado Midland Ry.—Projected from Colorado Springs via Manitou and Leadville to Frying Pan, Glenwood Springs and Elk Creek, with branches to Aspen and to coal mines. Total length, 250 miles. Entire road now under construction, and to be completed this year.

1 J. J. Hagerman..	*President*	Colorado Sp., Col.
2 J. B. Wheeler.....	*1st Vice-Pres*..	New York, N. Y.
3 O. Metcalf.....	*2d Vice-Pres*..	Colorado Sp., Col.
4 C. A. Lansing.....	*Secretary*.	" "
5 Irving Howbert ..	*Treasurer*.....	" "
6 D. B. Robinson....	*Gen. Manager.*	" "
7 T. H. Wigglesworth	*Chief Engineer*	" "
8 B. H. Bryant.....	*Ass't Chief En.*	" "
9 J. J. Blower.....	*Auditor* . ..	" "
10 Henry T. Rogers..	*Gen. Solicitor.*	" "
11 William Fuller	*Supt. Machine.*	" "
12 J. H. Holway.....	*Purch. Agent.*	" "

General office, Opera House Block, Colorado Springs, Col.

194 Columbia and Greenville RR.

See Richmond and Danville System.

195 Columbia and Puget Sound RR.

See Oregon Improvement Company.

196 Columbus and Cincinnati Midland RR.—Columbus to Midland City, 71 miles.

1 Orland Smith.....	*President*	Cincinnati, O.
2 Theo. H. Butler[2,6,9]	*Treasurer* ...	Columbus, O.
3 S. P. Peabody.....	*Sec. & Supt*..	" "
4 W. E. Reppert....	*Gen. Pass. Agt.*	" "
5 C. S. Wight.. ..	*Gen. Fgt. Agt.*	Pittsburgh, Pa.
6 James C. Lanius[8]	*Gen. Tkt. Agt.*	Columbus, O.
7 C. F. Low[2,7,8].. .	*Auditor*.	Cincinnati, O.
8 D. D. Carothers...	*Chief Engineer*	Columbus, O.
9 E. T. Affleck.....	*Div. Fgt. Agt.*	" "
10 J. Conant[11].....	*Car Account't*	Cincinnati, O.
11 J. W. Simmons....	*Road Master*..	Columbus, O.

General office, Columbus, O. Transfer office, Farmers' Loan and Trust Co., New York, N. Y.

☞ *See note of explanation on first page.*

RESUMPTION

AND THE

SILVER QUESTION;

A Handbook for the Times.

— EMBRACING —

A SKETCH OF THE COINAGE AND OF THE LEGAL-TENDER CURRENCIES OF THE UNITED STATES AND OTHER NATIONS.

By HENRY V. POOR.

(1878.)

Summary of the Contents.

PART I.—The distinction between the money of Banks and of Government.

PART II.—An examination of the Report of the late Conference between Mr. Secretary Sherman and the Committee on Finance of the Senate, and the Committee on Banking and Currency of the House of Representatives, of the United States.

PART III.—A History of the Coinage of the United States; of the Act of 1873, demonetizing silver; and a sketch of the monetary systems of the great commercial Nations, Great Britain, France, and Germany.

PART IV.—A History of Legal-Tender Currencies, embracing a History of the Legal-Tender Currencies of the Mongols; of the Continental Currency of the United States; of the Assignats of France, and of the present Legal-Tender Currency of the United States.

PART V.—The Greenback Party.

PART VI.—How Resumption is to be Effected.

PRESS NOTICES.

New York Evening Post.

We commend Mr. Poor's book, as it deserves, as a most convenient reference handbook concerning the history of silver money in the United States, the monetary history of other countries, and other matters of a similar nature, all of which are presented in compact and convenient shape, and fitted to the hand by an elaborate analytical index.

Philadelphia Ledger.

A timely and valuable book, which cannot be too carefully studied, and every line of which is full of warning and instruction.

New York Journal of Commerce.

A timely and valuable contribution to a subject now demanding the earnest attention of every thoughtful citizen. It will help to clear away much of the fog in which the whole question of the currency is now enveloped. It is in no sense partisan, and is addressed wholly to the reason and intelligence of the reader. It is indeed, as it is called, "A Handbook for the Times."

Boston Journal.

This volume is pungent and full of information. It is very fresh and suggestive, and contains a large amount of information which gives it value, and makes it stimulating and helpful in extending and directing financial discussion.

---

1 Volume, 12mo, Cloth, pp. 250. Price, $1.00.

Sent free of postage, on receipt of price, by the Publishers, and for sale by all Booksellers.

H. V. & H. W. POOR, Publishers, 70 Wall Street, New York.

197 Columbus and Eastern RR.—Columbus to Canneiville, 73 miles; Goodlin Run Branch, 1 mile; Zanesville Branch, 5 miles; Buckeye Branch (Fultonham to Redfield), 9 miles—total, 88 miles.

1 F. J. Picard	*Rec. & G. Man.*	Columbus, O.
2 J. M McCune	*President*	" "
3 J. E. Redfield	*Vice-President*	Essex, Conn.
4 C. D. Firestone	*Treasurer*	Columbus, O.
5 W. S. Guerin	*Sec. & Solicitor*	" "
6 W. W. Daniel	*Gen. F. & P. A.*	" "
7 C. A. Covert	*Auditor*	" "
8 S. J. Callaway	*Supt. & Rd. M.*	" "
9 H. O. Pond	*Mast. Transp.*	" "

General office, Columbus, O.

198 Columbus, Hocking Valley and Toledo Ry.—Toledo to Pomeroy, 257 miles, with branches, 67 miles.

1 John W. Shaw	*President*	Columbus, O.
2 W. M. Greene[5]	*V.-Pres. & G. M*	" "
3 Wm. P. Shaw	*Secretary*	" "
4 W. N. Cox[3 5]	*Treasurer*	" "
5 G. R. Carr	*Gen. Supt.*	" "
6 H. J. Falkenbach[6]	*Gen. P. & T. A.*	" "
7 W. A. Mills	*Gen. Fgt. Agt.*	" "
8 F. B. Everett[2 4 7 8 9]	*Auditor*	" "
9 Wm. M. Greene	*Purch. Agent.*	" "
10 I. G. Hutchins	*Mast. Mech.*	" "
11 J. M. Rockafield	*Mas. Car Bdr.*	" "
12 T. R. Scanlan	*G. M. of RB & B*	" "
13 J. A. Wilcox	*Gen. Solicitor*	" "
14 A. C. Ady[11]	*Car Account't.*	" "
15 D. H. Gard	*Supt. Teleg.*	" "
16 W. T. Hubbell	*Foreman C. P.*	" "
17 W. S. Pickering	*Paymaster*	" "

Toledo Division.—Toledo to Columbus, 124 miles.

18 M. T. Seymour	*Superintend't.*	Columbus, O.
19 F. B. Sheldon	*Chief Eng*	" "
20 A. L. Donaldson	*Road Master*	" "

Hocking Valley Division.—Columbus to Athens, 76 miles, with branches, 42 miles.

21 M. P. L. Booth	*Superintend't*	Columbus, O.
22 W. H. Jennings	*Chief Eng*	" "

Ohio River Division.—Logan to Pomeroy, 83 miles.

23 C. D. Norris	*Superintend't*	Logan, O.
24 F. B. Sheldon	*Chief Eng*	Columbus, O.

General office, Columbus, O. Registrar of Transfers, Third National Bank, New York, N. Y. Financial and Transfer Agents, Winslow, Lanier & Co., New York, N. Y.

199 Columbus and Mayasville Ry.—Projected from Washington to Aberdeen, 85 miles; of which in operation, from Hillsboro', to Ripley, 45 miles.

1 Kirby Smith	*Receiver*	Hillsboro', O.
2 Jas. Q. Marshall	*Superintend't.*	" "

200 Columbus and Rome Ry.—Columbus to Greenville, 50 miles.

1 John Peabody	*President*	Columbus, Ga.
2 J. M. Frazer[3 4]	*Sec. & Treas.*	" "
3 W. L. Clark	*Gen. M. & P. A.*	" "
4 N. Brittingham	*Road Master*	" "
5 T. C. S. Howard[2]	*Gen. T. & F. A.*	" "
6 A. J. Nix	*Mast. Car Rep.*	" "
7 H. M. Howard	*Master Trans.*	" "
8 J. C. Albrecht	*Mast. of Mach.*	" "
9 L. D. Brittingham	*Supt. Bridges.*	" "

201 Columbus and Western Ry.

See Central of Georgia.

202 Colusa and Lake RR. (Consolidation of Colusa and Colusa and Lake RR.'s.)

1 W. P. Harrington	*President*	Colusa, Cal.
2 E. W. Jones	*V.-President*	" "
3 C. M. Ballantine	*Secretary*	" "
4 Colusa Co. Bank	*Treasurer*	" "
5 E. A. Harrington	*Gen. Supt*	" "

203 Concord Railroad.—Concord to Nashua. 35 miles, with branches, 106 miles.

1 Frederick Smyth	*President*	Manchester, N. H.
2 Nathan Parker	*Treasurer*	" "
3 William M. Chase	*Clerk*	Concord, N. H.
4 H. E. Chamberlin	*Gen. Supt.*	" "
5 Frank E. Brown[2]	*Gen. Tk. Agt.*	" "
6 Sam'l Barrett[7 8 11]	*Gen. Fgt. Agt.*	" "
7 J. Fr'k Webster[3 4 9]	*Cashier*	" "
8 James T. Gordon	*Mast. Mach.*	" "
9 Sam'l F. Patterson	*Supt. Bridges*	" "
10 J. M. Jones	*Gen. Bag. Agt.*	" "
11 Perry A. Eaton	*Road Master*	Manchester, N. H.
12 W. P. Burbank	*Road Master*	Concord, N. H.
13 H. M. Wood	*Road Master*	Manchester, N. H.
14 W. H. Alexander	*Supply Agent.*	Concord, N. H.
15 P. Flanders	*Foreman C. R.*	" "

General office, Concord, N. H.

204 Coney Island Elevated Ry.

See Sea View Railway.

205 Connecticut and Passumpic Rivers RR.—White River Junction to Canada Line, 110 miles; brauch, 87 miles.

1 A. B. Harris	*President*	Springfield, Mass.
2 W. K. Blodgett	*Vice-President*	Boston, Mass.
3 James H. Williams	*Treasurer*	Bellows Falls, Vt.
4 Henry C. Cleveland	*Secretary*	Coventry, Vt.
5 H. E. Folsom	*Superintend't.*	Lyndonville, Vt.
6 N. P. Lovering, Jr.	*G. Ps. & Tkt. A.*	" "
7 W. H. Wilson	*Gen. Account't*	" "
8 W. A. Densmore	*Cashier*	" "
9 W. J. W. Willard	*Gen. Fgt. Agt.*	" "
10 E. E. Cleveland	*G. Bg. & Fu. A.*	" "
11 L. L. Brigham	*Mast. Mech.*	" "
12 L. F. Woodward	*Mast. Car Bldr*	" "
13 A. L. Stone	*For. Mach. Sh.*	" "
14 L. Davis	*For. Paint Shp.*	" "
15 Francis Dow	*For. B'smith*	" "
16 O. M. Badger	*For. Car Rps.*	" "
17 W. G. Roberts	*Road Master*	" "
18 W. Raymond	*General Agent*	Boston, Mass.

General office, Lyndonville, Vt. Fiscal Agency, 95 Milk St., Boston, Mass.

206 Connecticut River RR.—Springfield to South Vernon, 50 miles; branches, 30 miles.

1 N. A. Leonard	*President*	Springfield, Mass.
2 Seth Hunt[3]	*Clerk & Treas.*	" "
3 John Mulligan	*Sup. & Pur. A.*	" "
4 W. G. McIntyre[2 3]	*Auditor*	" "
5 G. E. Frink[4]	*Cash. & Paym.*	" "
6 H. E. Howard	*Gen. Fgt. Agt.*	" "
7 E. C. Watson	*Gen. Tkt. Agt.*	" "
8 W. E. Hill	*Gen. Bag. Agt.*	" "
9 W. H. Stearns	*Master Mech.*	" "
10 John R. Patch	*Road Master*	" "
11 Patrick Dee	*As. Road Mas.*	Keene, N. H.
12 H. M. King	*As. Road Mas.*	Springfield, Mass.
13 C. H. Ginn	*For. Loco. Rps.*	" "
14 R. Hitchcock	*For. Car Rps.*	" "
15 C. E. Paige	*For. Car Paint*	" "
16 M. Fitzgerald	*For. B'smith.*	" "
17 J. F. Donoghue	*For. Boiler Shp*	" "
18 E. B. Hill[7 9 10 11]	*Man. R. C. H.*	Boston, Mass.

General office, Springfield, Mass.

207 Connecting Terminal RR.—In the city of Buffalo, 1 mile.

1 Franklin, J. Firth	*President*	Philadelphia, Pa.
2 Edwin T. Evans	*Vice-President*	Buffalo, N. Y.
3 A. D. Hepburn	*Secretary*	Philadelphia, Pa.
4 J. S. Swartz	*Treasurer*	" "
5 J. E. Payne	*Manager*	" "
6 T. M. Moore	*Superintend't.*	Buffalo, N. Y.
7 H. Churchman	*Auditor*	Philadelphia, Pa.
8 F. Hoffman	*Ass't Auditor*	" "

General office, 234 South Fourth St., Philadelphia, Pa.

☞ *See note of explanation on first page.*

HENRY W. POOR. JOHN GREENOUGH.

POOR & GREENOUGH,

BANKERS AND BROKERS,

34 WALL STREET, NEW YORK.

Orders Executed for all Securities Dealt in at the New York Stock Exchange.

RAILWAY INVESTMENT

A Specialty.

CHOICE SECURITIES ALWAYS ON HAND.

We are in correspondence with nearly every Railroad Company in the Country, through our connection with

"POOR'S MANUAL OF RAILROADS,"

which gives us special advantages for information for the benefit of our customers.

Correspondence Invited. Interest allowed on Deposits, subject to Check at sight.

34 WALL STREET, NEW YORK.

208 Cooperstown and Susquehanna Valley RR.—Junction (A. & S. RR.) to Cooperstown, 16 miles.

1 E. M. Harris[5]	*President*	Cooperst'wn, NY.
2 C. R. Burch	*Vice-President*	" "
3 B. M. Cady[2 3 4]	*S., T. & G. T. A.*	" "
4 R. W. Roundy	*Gen. Fgt. Agt.*	" "
5 D. E. Siver	*Superintend't.*	" "

209 Corning, Cowanesque and Antrim Ry.

See Fall Brook Coal Co.

210 Cornwall Railroad.—Lebanon to Mt. Hope, 12 miles; branches, 7 miles.

1 W. C. Freeman	*President*	Cornwall, Pa.
2 R. P. Alden	*Vice-President*	" "
3 J. P. Jackson	*Secretary.*	" "
4 D. S. Hammond	*Treasurer.*	Lebanon, Pa.
5 S. S. Neff	*Superintend't.*	" "
6 E. C. Freeman	*Gen. Manager*	Cornwall, Pa.
7 H. C. Shirk	*Gen. Solicitor*	Lebanon, Pa.

General office, Lebanon, Pa. Repair Shops at West Lebanon, Pa.

211 Cornwall and Lebanon RR.—Lebanon to Conewago, 2¾ miles.

1 Robert H. Coleman	*President*	Cornwall, Pa.
2 Hugh M. Maxwell	*Sec. & Treas.*	Lebanon, Pa.
3 Ned Irish[10]	*G.S., F. & P.A.*	" "
4 T. R. Crowell	*Chief Engin'r.*	" "
5 John McDonell	*Road Master*	" "

General office, Lebanon, Pa.

212 Coudersport and Port Allegany RR.—Port Allegany to Coudersport.

1 F. W. Knox	*President*	Coudersport, Pa.
2 C. S. Cary	*Vice-President*	Olean, N. Y.
3 A. B. Mann	*Secretary*	Coudersport, Pa.
4 M. W. Barse	*Treasurer*	Olean, N. Y.
5 B. A. McClure[6 7 8 9 10]	*G.Sup. & C.E.*	Coudersport, Pa.

General office, Coudersport, Pa.

213 Council Bluffs and St. Louis Ry.—Pattonsburg to Council Bluffs, 143 miles.

1 Thos. McKissock	*Rec. & G.Man.*	Council Bluffs, Ia.
2 A. E. Buchanan	*Superintend't.*	Stanberry, Mo.
3 W. L. Bedison	*Aud. & Cash'r*	Council Bluffs, Ia.
4 Theo Sheldon	*Gen. Attorney*	Chicago, Ill.
5 I. D. Hunter	*Sup. Mot. Pow.*	Stanberry, Mo.

General office, Council Bluffs, Ia.

214 Covington and Macon RR.—Macon, Ga., north to Covington, 70 miles, of which completed 35 miles; remainder under construction. Projected from Covington to Athens and Macon south to Florida, with branch from Monticello to Griffin.

1 Douglass Green	*President*	New York, N. Y.
2 B. W. Frobel	*V.-P. & G. M.*	Macon, Ga.
3 A. Craig Palmer	*Sec. & Treas.*	" "
4 S. Reed Storey	*M. T. & R. Mast*	" "
5 C. V. Palmer	*Auditor*	" "
6 H. M. Herman	*Gen. Solicitor*	New York, N. Y.

7 E. C. Machen, general contractor for construction of road, 55 Broadway, New York City.

General office of company, Macon, Ga.

215 Cresson, Clearfield County and New York Short Route RR.—Cresson to Irvona, 27 miles.

1 James S. Atterbury	*President*	Pittsburgh, Pa.
2 John H. Boyts	*V.-P. & G. M.*	" "
3 Geo. J. Gorman	*Sec. & Treas.*	" "

General office, Pittsburgh, Pa.

216 Crooked Creek Railroad.—Lehigh to Judd, 9 miles.

1 Walter C. Willson	*Pres. & G.Mgr.*	Webster City, Ia.
2 J. M. Funk	*Sec. & Treas.*	" "
3 G. W. Post[5]	*G.Fgt. & P.A.*	Lehigh, Ia.

General office, Lehigh, Ia.

217 Crown Point Iron Company's RR.—Crown Point to Hammondsville, 13 miles.

1 John Hammond	*President*	Crown Point, N.Y.
2 H. M. Olmsted	*Treasurer*	New York, N. Y.
3 C. H. H. Hammond	*Secretary*	Crown Point, N.Y.
4 A. L. Inman	*Gen. Manager*	Plattsburgh, N.Y.
5 J. M. Mann	*G.Sp. & Rd.M.*	Crown Point, N.Y.
6 W. L. Heffernan	*Gen. Fgt. Agt.*	" "
7 H. L. Reed	*Purch. Agent.*	" "
8 C. W. Saunders	*Mast. of Mach.*	" "
9 Z. C. Sherman	*Mas. of Car Rps*	" "

General office, Crown Point, N. Y.

218 Crystal Railway.—Silica to Crystal City, 3.5 miles.

1 E. A. Hitchcock	*President*	St. Louis, Mo.
2 J. M. Leete	*Vice-President*	" "
3 C. W. Barnes	*Treasurer*	" "
4 E. T. Allen	*Secretary*	" "
5 G. F. Neale	*Superintend't.*	Crystal City, Mo.

General office, St. Louis, Mo. Locomotive and Car Repair Shops at Crystal City, Mo.

219 Cumberland Railway and Coal Co.—Spring Hill Junc. to Parrsboro, with branch, 32 miles.

1 John McDougall	*President*	Montreal, Que.
2 Robert Cowans	*Vice-President*	" "
3 J. R. Cowans	*Sec. & Treas.*	" "
4 R. G. Leckie	*Man. Director.*	Spring Hill, N. S.
5 J. G. Aikman[5]	*Superintend't.*	Parrsboro, N. S.
6 William Hall	*Mgr. at Mines.*	Sp'gHillMin's, NS
7 H. T. Cowans	*Mech. Supt.*	Spring Hill, N. S.
8 R. H. Cooper	*Cashier*	" "

General office, Montreal, Que.

220 Cumberland and Maurice River RR.—Bridgeton to Maurice River, 23 miles. Sold to Central RR. of New Jersey, and now part of New Jersey Southern Division.

221 Cumberland and Pennsylvania RR.—Cumberland to Piedmont, and branches, 55 miles.

1 Charles F. Mayer	*President*	Baltimore, Md.
2 C. W. Keim	*Sec. & Treas.*	" "
3 P. L. Burwell[1 2 3 4 5]	*Gen. Supt.*	Cumberland, Md.
4 H. J. Kensh	*Must. of Trans.*	Mt. Savage, Md.
5 Lewis M. Hamilton	*Road Master*	Cumberland, Md.
6 Nathan Binix	*Mast. Car B'r*	Mt. Savage, Md.
7 Union Trust Co.	*Transfer Agt.*	New York, N. Y.

General office, 19 German St., Baltimore, Md. Fiscal Agency and Transfer office, 71 Broadway, New York, N.Y.

222 Cumberland Valley RR.—Harrisburg to Martinsburg, 94 miles, with branches, 31 miles.

1 Thos. B. Kennedy	*President*	Chambersb'g, Pa.
2 E. M. Biddle[3 4 9 10]	*Treas. & Sec.*	Carlisle, Pa.
3 J. F. Boyd[5 11]	*Superintend't.*	Chambersb'g, Pa.
4 H. A. Riddle	*Gen. Pass. Agt.*	" "
5 A. L. Langdon	*Gen. Ft. Agt.*	" "
6 C. Ives	*Engineer*	" "
7 W. L. Ritchey[7 8]	*Auditor*	" "
8 S. M. Howard	*Road Master*	" "
9 A. S. Hull	*Mast. Mech.*	" "
10 Casper Wicke	*F. Car Repairs*	" "
11 G. W. Pensinger	*F. Car Paints.*	" "
12 J. B. Bagley, Jr.	*Gen. Trav. Agt.*	" "

General office, Chambersburg, Pa.

223 Danbury and Norwalk RR.

See Housatonic Railroad.

224 Danville, Mocksville and Southwestern RR.—Cascade Junction to Leaksville, 8 miles.

1 J. T. Morehead	*Receiver*	Leaksville, N. C.
2 Thomas R. Sharp	*President*	New York, N. Y.
3 E. C. Winstanley	*Secretary*	" "

General office, Leaksville, N. C.

225 Danville and New River RR.—Danville to Stuart, 75 miles.

1 J. H. Schoolfield	*President*	Danville, Va.
2 G. K. Griggs[1 2 4 5]	*Sec., Tr. & Supt*	" "
3 W. T. Whittaker	*Mast. Mech.*	" "
4 D. P. Stallard[3]	*Auditor*	" "

☞ *See note of explanation on first page.*

ROYAL

FIRE

INSURANCE COMPANY,

OF LIVERPOOL, ENGLAND.

ESTABLISHED 1845.

HEAD OFFICE, METROPOLITAN DISTRICT:

No. 50 WALL STREET, NEW YORK.

TRUSTEES:

JACOB D. VERMILYE. HENRY PARISH. OSGOOD WELSH.

E. F. BEDDALL, Manager. *WM. W. HENSHAW, Assistant Manager.*

RAILROAD INSURANCE A SPECIALTY.

RAILROAD INSURANCE.

SECURITY AND INDEMNITY FURNISHED

FOR

STOCK AND BONDHOLDERS.

All Railroad Property and Risks, as Common Carriers and Warehousemen, Insured against Loss by FIRE on the only plan that gives Absolute Indemnity at a Minimum Cost.

ONE OR MORE POLICIES ISSUED AT THIS OFFICE TO COVER THE PROPERTY OF ANY ROAD IN THE UNITED STATES.

SATTERLEE, BOSTWICK & MARTIN,

58 Cedar Street, New York.

226 Dardanelle and Russellville RR.—Dardanelle to Russellville, 5 miles.

1	George L. Kimball.	*President*	Dardanelle, Ark.
2	J. K. Perry	*Treasurer*	" "
3	L. C. Hall	*Sec. & Auditor*	" "
4	D. L. Bourland	*Gen Supt*	" "

General office, Dardanelle, Ark. Locomotive and Car Repair Shops at Dardanelle, Ark.

227 Dayton and Ironton RR.—Dayton to Dean, 156 miles; branches, 14 miles.

1	F. B. Loomis	*President*	New York, N. Y.
2	E. Gildersleeve	*Vice-President*	" "
3	W. C. Boone	*Sec. & Treas.*	" "
4	C. C. Waite	*Gen. Manager*	Cincinnati, O.
5	J. E. Gimperling	*Supt. P. A. & C.*	Dayton, "
6	W. B. Williams	*G. Ft. & T. A.*	" "
7	C. C. Clarke	*S. of Ironton D.*	Ironton, O.
8	N. P. Ramsey	*Auditor*	Dayton, O.
9	C. W. Fairbanks	*Gen. Solicitor.*	Indianapolis, Ind.
10	John Fearon	*Road Master*	Dayton, O.
11	F. McCreery	*Mast. of Mach.*	" "
12	John Anderson	*Supt. of Bridge*	" "
13	G. S. Daniels	*Transfer Agt.*	Boston, Mass.
14	R. B. Wisel	*Car Account't.*	Dayton, O.

General office, Dayton, O. Transfer office, 96 Broadway, New York, N.Y.

228 Dayton and Toledo RR.—Dayton to Delphos, 95 miles.

1	George N. Smalley	*Act'g Pres*	New York, N. Y.
2	C. E. Henderson	*Gen. Manager*	Indianapolis, Ind.
3	J. E. Gimperling	*Gen. Supt.*	Dayton, O.
4	S. F. Rock	*Chief Eng*	" "
5	W. B. Williams	*Gen. Fgt. Agt.*	" "
6	H. M. Bronson	*Gen. Tkt. Agt.*	Indianapolis, Ind.
7	C. W. Fairbanks	*At. & A. for P.*	" "
8	C B. Lockwood[2 7 8]	*Auditor*	" "
9	W. W. Lynn[3 4 9 10]	*Cashier*	" "
10	J. H. M. Claggett	*Car Account't.*	" "

General office, Dayton, O. Executive and Transfer office, 26 Broadway, New York, N. Y. Locomotive and Car Repair Shops at Dayton, O.

229 Dayton and Union RR.

See Bee Line.

230 Deerfield River Ry.

See Hoosac Tunnel and Wilmington RR.

231 Delaware Bay and Cape May RR.—Cape May City to Cape May Landing, 3 miles.

1	Wm. Wharton, Jr.	*President*	Philadelphia, Pa.
2	William Selfridge	*Sec. & Treas.*	" "
3	James Leaming	*Gen. Manager.*	Cape May, N. J.

General office, Cape May, N. J.

232 Delaware and Hudson Canal Company.

1	R. M. Olyphant	*President*	New York, N. Y.
2	LeGrand B Cannon	*Vice-President*	" "
3	H. G. Young	*A Pres. & G.M.*	Albany, N. Y.
4	J. C. Hartt[3 4 9 10]	*T. & G. S. Ag.*	New York, N. Y.
5	Charles A. Walker	*Ass't Treas.*	" "
6	F. Mur'y Olyphant	*Secretary*	" "
7	R. A. Henry	*Auditor*	" "
8	A. H. Vandling	*Supt. Coal Dep.*	Providence, Pa.
9	Thos. F. Torrey	*S.A., S. & W.D.*	Scranton, Pa.
10	E. W. Weston	*G. A. R. E. D.*	" "
11	C. S. Weston	*A.G.A.R.E.D.*	" "
12	Bank of Commerce	*Fiscal Agent*	New York, N. Y.

Northern RR. Department.—Albany & Susquehanna Div., 209 miles; Champlain Div., 150 miles; Saratoga Div., 192 miles.

13	C. D. Hammond	*Superintend't.*	Albany, N. Y.
14	H. S. Marcy	*Traffic Man.*	" "
15	J. W. Burdick[3]	*G P & T A. S of T*	" "
16	D. Farlin	*Gen. Fgt. Agt.*	" "
17	J. W. Strong[3]	*Com. & Pur. A.*	" "
18	A. J. Swift	*Chief Engineer*	" "
19	C. S. Pease	*Gen Bag Agt.*	" "
20	R. C. Blackall	*Supt. of Mach.*	" "

232 Delaware and Hudson Canal Company—*Northern RR. Department.—Continued.*

21	G. A. Keller	*Actg. Car Acct.*	Albany, N. Y.
22	M. Dorsey	*R. M. S. & C. D.*	" "
23	T. Burke	*R. M. S. D.*	" "
24	H. Patterson	*R. M. City D.*	" "
25	A. Grote	*B. M. S. & C. D.*	" "
26	S. B. Thompson	*B. M. Sus. Div.*	" "

27 *Division Master Mechanics.*—J. L. Cory, Green Island, N. Y.; T. Howard, Oneonta, N. Y.; F. Kegler, Salem, N. Y.; P. Hulihan, Albany, N. Y.

28 *Foremen Car Repairs.*—J. R. Skinner, Oneonta, N. Y.; C. Korner, Green Island, N. Y.

Pennsylvania Division.—Nineveh to Scranton, 74 miles; branches, 83 miles.

29	R. Manville	*Superintend't.*	Carbondale, Pa.
30	C. R. Manville	*Ass't Supt.*	" "
31	E. A. Wheeler	*L. P. & Ft. Agt.*	" "
32	C. E. Rettew	*Master Mech.*	" "
33	Pierce Butler	*Grav. Rd. Do.*	" "
34	William Muir	*Gen. Foreman*	Honesdale, Pa.
35	W. McMullen	*Train & Rd. / M. Grav. Rd.*	Carbondale, Pa.
36	R. W. Kellow	*Road Master.*	Scranton, Pa.
37	George Burrell	*Mast. of Bridge*	Carbondale, Pa.
38	S. A. McMullen	*Gen. Dis. & T M*	" "
39	T. Orchard	*Mast. Car Bdr.*	" "
40	J. H. Orchard	*Chief Car Insp*	" "

General office, Coal and Iron Exchange, corner Cortlandt and New Church Sts., New York, N. Y. Locomotive and Car Repair Shops at Green Island, Whitehall, Rutland, Oneonta, Quaker St., Albany, Salem, Plattsburgh, Schenectady, and Binghamton, N. Y.; Carbondale, Pa.

233 Delaware, Lackawanna and Western RR.

1	Samuel Sloan	*President*	New York, N. Y.
2	Percy R. Pyne	*Vice-President*	" "
3	E. R. Holden	*2d V.-Pres. & T.*	" "
4	F. H. Gibbens	*Treasurer*	" "
5	F. F. Chambers[2 7 8 11]	*Sec. & Auditor*	" "
6	A. D. Chambers	*Ass't Treas.*	" "
7	W. F. Halstead	*Gen. Manager*	Scranton, Pa.
8	B. A. Hegeman	*Traffic Man.*	New York, N. Y.
9	W. F. Holwill	*Gen. Pass. Agt.*	" "
10	William S. Sloan	*Gen. Fgt. Agt.*	" "
11	Walter Dawson	*Master Mach.*	Scranton, Pa.
12	R. McKenna	*Mast. Car Bdr.*	" "
13	James Archibald	*Chief Engineer*	" "
14	G. E. Zippel	*Gen. Bag. Agt.*	Hoboken, N. J.
15	W. D. Hager	*Gen. Purch. Ag*	New York, N. Y.
16	A. Fell	*Gen. W. Ft. Agt*	Buffalo, N. Y.
17	Ira S. Beers	*Gen. W. Pas. A.*	" "
18	W. D. Hager	*Lumb. & Oil A.*	New York, N. Y.
19	J. W. Baker	*Master Car P.*	Dover, N. J.
20	S. Griffith	*Supt. Br. & Bu.*	Hoboken, N. J.

Bloomsburg Division.—Scranton to Northumberland, 80 miles.

21	C. Graham	*Master Mech.*	Kingston, Pa.

Utica Division.—Chenango Forks to Utica, 84 miles, with branch, 22 miles.

22	A. C. Salisbury	*Superintend't.*	Utica, N. Y.
23	T. Thatcher	*Master Mech.*	" "
24	David Bryant	*Road Master.*	Waterville, N. Y.

Morris and Essex Division.—New York to Easton, 85 miles, with branches, 118 miles.

25	A. Reasoner	*Superintend't.*	Hoboken N. J.
26	W. H. Lewis	*Master Mech.*	Kingsland, N. J.
27	J. W. Baker	*Master Car R.*	Dover, N. J.
28	William Unruh	*Engineer.*	Hoboken, N J.
29	A. Babcock	*Road Master.*	Washington, N.J.

Oswego and Syracuse Division.—Oswego to Syracuse, 35 miles.

30		*Superintend't.*	Oswego, N. Y.
31	J. Buchanan	*Master Mech.*	Syracuse, N. Y.
32	Thomas Murphy	*Road Master.*	Oswego, N. Y.

☞ *See note of explanation on first page.*

Colorado Coal and Iron Company,

MANUFACTURERS OF

Steel Rails, Railway Fastenings, Steel Blooms, Pig Iron, Cast Iron Water and Gas Pipe, Billets and Plates, Spikes, Merchant Bar Iron, Nails, Mine Rails.

— MINERS OF —

CANON COAL.

— MAKERS OF —

EL MORO AND CRESTED BUTTE COKES.

Furnaces and Mills at South Pueblo, Colorado.

A. H. DANFORTH,
Vice-President and General Manager,
SOUTH PUEBLO, COLORADO.

W. G. BROWN,
General Agent,
DENVER, COLORADO.

GEO. A. BOYNTON,

BROKER,

STEEL RAILS,

RAILWAY · EQUIPMENT.

Securities and Construction Contracts Negotiated.

47 BROADWAY, NEW YORK.

233 Delaware, Lackawanna and Western RR.—*Continued.*

Syracuse, Binghamton and New York Division.—New York to Syracuse, 273 miles.

33	*Gen. Supt*	Syracuse, N. Y.
34 J. Buchanan.....	*Master Mech*	" "
35 James Neafie.. ..	*Road Master.*	Boonton, N. J.
36 T. H. Tennell....	*Road Master.*	Syracuse, N. Y.

Cayuga Division.

37 W. R. Humphrey..	*Superintend't*	Ithaca, N. Y.

Buffalo Division.

38 F. A. Seibert....	*Ass't Supt*....	Buffalo, N. Y.
39 C. C. Rose	*Engineer.*	" "
40 T. B. Griffith.....	*Master Mech*..	" "
41 James Wynn	*Road Master*..	Elmira, N. Y.
42 P. W. McKeon ...	*Road Master*..	Leicester, N. Y.
43 P. C. Dunn.....	*Road Master*..	Buffalo, N. Y.

General office, 26 Exchange Place, New York, N. Y.

234 Delaware, Maryland and Virginia RR.

See Pennsylvania System.

235 Delaware River RR.—Woodbury to Penngrove, 20 miles.

1 Wm. S. Conner[4 9 10]	*Pres. & Treas.*	Woodbury, N. J.
2 S. T. Miller...	*Secretary* ..	Paulsboro', N. J.
3 E. H. Green[5 11].....	*Superintend't.*	Pedricktown, N.J
4 G. W. Reed[1 2 3 7 8]..	*Auditor*	Paulsboro', N. J.

General office, Woodbury. N. J. Locomotive and Car Repair Shops at Camden, N. J.

236 Denver Circle Railroad.—Denver to Suburbs, 4 miles; branch, 3 miles.

1 Charles McIntosh...	*Receiver & G.M*	Denver, Col.
2 W. A. H. Loveland.	*President* ...	" "

237 Denver and Rio Grande RR.—Denver to Silverton, 496 miles; Pueblo to Utah Border, 346 miles; branches and spurs, 475 miles.

1 W. S. Jackson....	*President*	Denver, Col.
2 Robert B. Minturn	*Vice-President*	New York, N. Y.
3 R. E. Ricker	*Gen. Supt*....	Denver, Col.
4 J. W. Gilluly	*Treasurer*	" "
5 William Wagner..	*Secretary* ...	New York, N. Y.
6 E. O. Wolcott....	*Gen. Counsel.*	Denver, Col.
7 R. F. Weitbrec....	*Ass't to Pres*..	" "
8 A. S. Hughes.....	*Traffic Man.* .	" "
9 E. R. Murphy[2] ..	*Auditor*.. ..	" "
10 W. W. Borst...	*Ass't Gen. Supt*	" "
11 S. K. Hooper[1 6]....	*Gen P. & T. Agt*	" "
12 G. W. Kramer....	*Man. of Exp* .	" "
13 N. W. Sample....	*Supt. M. P. & M.*	Burnham, Col.
14 F. P. King.... ...	*Principal Eng.*	Denver, Col.
15 J. R Chapman....	*Supt. B. & B.*	" "
16 C. M. Hobbs.....	*Purch. Agent.*	Burnham. Col.
17 W. M. Hastings....	*L. T. & C. A.*	Denver, Col.
18 R. A. Hutchison.	*Supt. of Teleg.*	" "
19 C. F. Zimmerman.	*Ass't Gen. F. A.*	" "
20 S. A. Walker	*Ass't Supt. Ex.*	" "
21 J. B. McCormic[8 11]	*Supt. Car Serr.*	" "
22 E. J. Seeley.....	*Chief Storekr.*	Burham, Col.
23 C. Tucker....	*Fgt. Claim Ag.*	Denver, Col.
24 W. B. Tuttle.	*Stationer.* ...	" "
25 W. B. Cobb	*Gen. En. Pas A*	New York, N. Y.
26 T. W. Becker.....	*G. E. A. F. Tra.*	" "
27 W. T. Hayes. ...	*Trav. Pass. A.*	St. Louis, Mo.
28 C. L. Paris.....	*Trav. Pass. A.*	Cincinnati, O.

DIVISION OFFICERS

29 W. W. Borst	*Supt. 1st Div*..	Pueblo, Col.
30 C. Lydon..	*Supt. 2d Div.*	Alamosa, Col.
31 Q. Lamplugh.....	*Ass't Supt. 3d D*	Leadville, Col.
32 R. M. Ridgway	*Supt. 4th Div.*	Salida, Col
32 James C. McCaddon	*G. A. Exp.* / *Dep Utah D*	Salt Lake City, U.
34 M. H. Rogers.....	*Div. Eng*.....	Pueblo, Col.

35 *Division Master Mechanics.*—J. R. Groves, Burnham, Col.; John Kelker, Pueblo, Col.; A. W. Jones, Salida, Col.; G. H. Shone, Alamosa, Col.; Q. Lamplugh, Leadville, Col.

237 Denver and Rio Grande RR.—*Continued.*

36 *Road Masters.*—A. Osborn, 1st Div., Pueblo, Col.; John Roper, Alamosa, Col.; M. Murphy, Chama, N. M.; George W. Lewis, Durango, Col.; J. Sweeney, Leadville, Col.; T. Lee, Salida, Col.; C. Hickey, Gunnison, Col.; D. Hurley, 4th Div., Gunnison, Col.; J. O. Boyle, Cimarron, Col.

37 *Assistant Road Masters.*—C. Selby, Denver, Col.; D. Sweeney, Canon City, Col.; J. Fitzgerald, Cuchara, Col.; W. B. Scott, La Veta, Col.

38 *Division Masters Bridges and Buildings.*—F. Taylor, Pueblo, Col.; J. W. Miller, Canon City, Col.; J. L. Thompson, Alamosa, Col.; D. L. Hopkins, Leadville, Col.; P. M. Carroll, Gunnison, Col.

39 *Division Train Masters.*—Thomas Saunders, Pueblo, Col.; C. Lydon, Alamosa, Col.; Q. Lamplugh, Leadville, Col.; T. J. Guinn, Gunnison, Col.

General office, Denver, Col. New York office, 47 William St.

238 Denver and Rio Grande Western Ry.—Ogden to Colorado State Line, 310 miles; branches, 60 miles.

1 William J. Palmer.	*President*	New York, N. Y.
2 D. C. Dodge.....	*Gen. Manager*	Denver, Col.
3 Geo. A. Lowe ..	*Vice-President*	Salt Lake City, U.
4 Charles W. Drake	*Sec & Treas.*	New York, N. Y.
5 J. H. Bennett....	*Gen. F. & T. A.*	Salt Lake City, U.
6 J. W. Gilluly[2 4]...	*Cashier*.....	Denver, Col.
7 Theron Geddes. ..	*Auditor*.....	" "
8 W. H Bancroft....	*Gen. Supt*.....	Salt Lake City, Ut.
9 Thomas Guest....	*Paymaster*....	" "
10 J. A. Graham.....	*Car Account't.*	" "
11 George Goss.....	*Chief Eng*....	" "
12 B. G. Sargent.....	*C. D. & S. of Tel.*	Pleasant Val'y, Ut
13 S. C. Smith.....	*Mast. Mech*....	Salt Lake City, Ut.
14 W. P. McElroy....	*Purch. Agent.*	" "
15 W. N. Rank.....	*Gen. Agent.* .	S. Francisco, Cal.
16 T. Byrne.....	*Road Master*..	Salt Lake City, Ut.
17 James Hamill.....	*Road Master*..	" "
18 T. J. Duddleson...	*Train Mast*...	Pleasant Val'y, Ut.
19 A. B. Lawrence...	*Mast of B. & B.*	Salt Lake City, Ut.
20 J. A. Ross..... .	*Foreman R. S.*	Green River, Ut.
21 J. J. Kelly.....	*Foreman R. S.*	P. V. Junction, Ut.
22 John Curry.....	*Gen. Foreman*	Salt Lake City, Ut.
23 S. C. Nelson.....	*Foreman R. S.*	Ogden, Ut.

General office, Salt Lake City, Utah. New York office, Mutual Life Insurance Building, 32 Nassau St.

239 Denver and Scranton Ry.—Denver to Scranton, 17 miles. Owned by Denver RR. and Land Co.

1 E. F. Hallack..	*President*.	Denver, Col.
2 Assyria Hall.	*V.-Pres. & Supt*	" "
3 Stetson Leach... ..	*Treasurer*....	" "
4 Bronson Peck, Jr..	*Sec. & Auditor*	" "

240 Denver, Memphis and Atlantic Ry.—This road is being built, and the completed portions are being operated by the Fitzgerald and Mallory Construction Co., having the following officers: S. H. Mallory, President, Wichita, Kan.; Richard Cross, Treasurer, New York, N. Y.; S. S. King, Secretary, Chariton, Ia.

1 J. J. Burns.....	*President*.	Wichita, Kan.
2 Charles C. Black...	*V.-Pres. & Sec.*	" "
3 Thomas Donahue..	*Treasurer*....	Belle Plaine, Kan.
4 D. J. Thayer...	*C. E & Gen. M.*	Wichita, Kan.
5 J. D. Gunn.....	*Train M. C. D.*	Chetopa, Kan.
6 Samuel Hunt... ...	*Train M. C. S. D*	Conway Sps., Kan.
7 H. R. Meeker	*Auditor*.....	Wichita, Kan.

General office, Wichita, Kan.

241 Denver, South Park and Pacific RR.

See Union Pacific RR.

242 Denver, Texas and Gulf RR.—Denver to Pueblo, 125 miles; branches, 13 miles.

1 John Evans.....	*President*.	Denver, Col.
2 J. S. Brown.....	*V.-President*..	" "

☞ *See note of explanation on first page.*

GEO. WESTINGHOUSE, JR., President.
ROBERT PITCAIRN, Treasurer.
C. H. JACKSON, Vice-President.
A. T. ROWAND, Secretary.
W. T. TAGGART, Superintendent.
ELMER L. WHITE, Asst. Secretary.

THE STANDARD Car Heating & Ventilating COMPANY,

MANUFACTURERS OF

STEAM HEATING and VENTILATING APPARATUS

FOR

RAILWAY CARS.

Now in use on several of the most important Railway Lines of the Country. Full information and catalogue upon application.

OFFICE AND WORKS,

DUQUESNE WAY AND GARRISON ALLEY,

PITTSBURGH, PA.

242 Denver, Texas and Gulf RR.—*Continued.*

3 Job A. Cooper	*2d V.-Pres*	Denver, Col.
4 W. B. Berger	*Treasurer*	" "
5 Chas. Wheeler[2 3] [4 7 8 9 10 11]	*Sec. & Aud.*	" "
6 B. W. Grover[1 6]	*Superintend't.*	" "
7 H. A. Bagley	*Paymaster*	" "
8 P. F. Barr	*Chief Eng.*	" "
9 G. W. Kirk	*Mast. Mech.*	" "
10 H. S. Goodwin	*Road M.&S.B.*	" "
11 J. T. Speer	*Train Master.*	" "

Repair Shops at Denver, Col.

243 Denver, Utah and Pacific RR.—Denver to Lyons, 44 miles; branches, 2 miles.

1 George M. Miller	*President*	New York, N. Y.
2 H. R. Wolcott	*V-President*	Denver, Col.
3 W. A. Street	*Treasurer*	New York, N. Y.
4 G. W. Carr	*Secretary*	" "
5 L. M. Fonts[4]	*Gen. Supt.*	Denver, Col.
6 E. R. Standish	*Auditor*	" "

General office, Denver, Col. Transfer office, New York, N. Y.

244 Des Moines and Fort Dodge RR.—Des Moines to Fort Dodge, 88 miles; Ruthven Extension, 56 miles. (This line has recently been leased to the Chicago, Rock Island and Pacific Ry. Co.)

1 Chas.E.Whitehead	*Pres. & Treas.*	New York, N. Y.
2 A. R. Flower	*V.-President*	" "
3 O. T. Love[3 4 8 10]	*Ass't Treas.*	Des Moines, Ia.
4 Chas.N.Gilmore[5 10]	*Superintend't.*	" "
5 Geo. L. Hurley	*Gen.F & T.A.*	" "
6 Wm. H. Given	*Trav.F & P.A*	" "
7 W. C. Matthews[7 8]	*Auditor*	" "
8 James Carss	*Civil Engineer*	" "
9 E. A. Avery	*Mast. Car Bdr*	Grand Junc., Ia.
10 J. McGrayel	*Mast. Mach.*	" "
11 H. McIntyre	*Road Master*	" "
12 J. W. Gibney	*Supt. Teleg.*	Des Moines, Ia.
13 Robert Merrill	*Supt. of Bdgs.*	Grand Junc., Ia.

General office, Des Moines, Ia. Transfer office, 61 Wall St., New York, N. Y.

245 Des Moines, Osceola and Southern RR.—Des Moines to Cainsville, 111 miles (This line was sold under foreclosure, and is now being reorganized.)

1 E. R. Mason	*Receiver*	Des Moines, Ia.
2 N. M. Hubbard	*G.Atty.for Rec*	Cedar Rapids, Ia.
3 B. L. Harding	*President*	Des Moines, Ia.
4 Henry Stivers	*V.-Pres.&G.S*	Osceola, Ia.
5 Aaron Stivers	*Treas. & Sec.*	" "
6 James Donohue	*Supt.&G F.A.*	Des Moines, Ia.
7 F. G. Jones	*Gen. T.&F.A.*	Osceola, Ia.
8 R. H. Ashworth	*Engineer*	" "
9 H. N. Trow	*Road Master*	" "
10 J. Houston	*Mas .o Car R.*	" "
11 W. A. Persing	*Mast.Mechanic*	" "
12 L. D. Berry	*Mast. of Mach.*	" "
13 W. R. Gilbert	*Supt. of Bdgs.*	" "

General office, Osceola, Ia.

246 Detroit, Bay City and Alpena RR.—Alger to Alpena, 105 miles; branches, 58 80 miles.

1 R. A. Alger[2 4 9 10]	*Pres.&Gen.M.*	Detroit, Mich.
2 M. S. Smith	*V.-Pres. & Tr.*	" "
3 T. H. Newberry[5]	*Secretary*	" "
4 J. C. McCaul[1 2 7 8]	*Aud.&G.F.A.*	" "
5 Milo Eastman	*Gen. Supt.*	E. Tawas, Mich.
6 T. P. Handy	*Pass. Agent*	" "
7 C. H. Ellis	*Chief Eng.*	Detroit, Mich.
8 H. T. Thomas	*Mast Mech.*	Tawas City, Mich.
9 James Bolen	*Road Master*	E. Tawas, Mich.
10 W. P. Gorman	*Supt. of Const.*	" "

General office, Detroit, Mich.

247 Detroit, Grand Haven and Milwaukee Ry.

See Grand Trunk Ry.

248 Detroit, Lansing and Northern RR.—Grand Trunk Junction to Lansing, 82 miles; North Lansing to Howard City, 75 miles, with branches, 104 miles.

1 Alpheus Hardy	*President*	Boston, Mass.
2 Charles Merriam	*Treas. & Sec.*	" "
3 J. E.Howard[2 4 9 10]	*Ass't Treas.*	Detroit, Mich.
4 J. B. Mulliken	*Gen. Manager*	" "
5 Thomas M. Fish	*Gen. Supt*	Ionia, Mich.
6 W. A. Carpenter	*Gen. Tr&f.Mgr*	Detroit, Mich.
7 J. F. Reekie[2 7 8 11]	*G.T A.& G.A.*	" "
8 E. F. Baker	*As.Gen Ft.A.*	" "
9 Jno. R Wood	*Trav. Pass. A.*	" "
10 John J McVean	*Chief Eng.*	Ionia, Mich.
11 Allan Bourn	*Purch. Agent*	Detroit, Mich.
12 George C. Watrous	*S.M.P. & P.S.*	Ionia, Mich.
13 T. S. Newton	*Gen. Bag.Agt.*	" "
14 J. Wiley	*Lumber Agent*	Detroit, Mich.
15 John Doyle	*Gen. Road Mas*	Ionia, Mich.
16 D. Rustine	*Ass't R Master*	" "
17 George Light	*Ass't R.Master*	" "
18 B. M. Tiffany	*Foreman C.R.*	" "
19 George A. O'Keefe	*Foreman R. S*	" "
20 A. P. Sweet	*Mast. Car Pain*	" "

(*a Saginaw Valley and St. Louis RR.*—Ithaca to East Saginaw, 46 miles.

1 J. B. Mulliken	*Pres. & G. M.*	Detroit, Mich.
2 J. E. Howard[2 4 9 10]	*Sec. & Treas.*	" "
3 N. W. Morrill[11]	*Superintend't.*	Saginaw, Mich.

General office, Detroit, Mich. Transfer office, 26 Sears Building, Boston, Mass.

249 Detroit, Mackinac and Marquette RR.—Marquette to Point St. Ignace, 152 miles.

1 James McMillan	*President*	Detroit, Mich.
2 Hugh McMillan	*Sec. & Treas.*	" "
3 A. Watson	*Gen. Supt.*	Marquette, Mich.
4 E. W. Allen[2 6]	*G. P. & T. A.*	" "
5 E.W.Allen[2 4 7 8 9 10 11]	*Au. & Rec. Cas.*	" "
6 John B. Wilson	*Mech. Supt.*	" "
7 Charles H. Watson	*Road Master*	" "
8 S. B. Floeter	*Train Master.*	" "

General offices, Detroit and Marquette, Mich. Transfer Agency, Metropolitan National Bank, New York, N. Y.

250 Dubuque and Dakota RR.

See Minnesota and Northwestern RR.

251 Duluth and Iron Range RR.—Duluth to Tower, 95 miles; branch, 3 miles.

1 C. Tower, Jr.	*President*	Duluth, Minn.
2 George C. Stone	*V.-P. & Treas.*	St. Paul, Minn.
3 I. P. Beck	*Secretary*	Duluth, Minn.
4 R. H. Lee[5]	*Chf Eng.&Sup*	" "
5 George H. White	*Ass't Supt.*	Two Harbors, M.
6 A. H. Viele[1]	*Auditor*	Duluth, Minn.
7 H. F. Thompson	*Solicitor*	" "
8 T. J. Watt	*Road Master*	Two Harbors, M.

General office, Duluth, Minn. Transfer office, Philadelphia, Pa.

252 Dunkirk, Allegheny Valley and Pittsburgh RR.

See New York Central and Hudson River RR. Company's System.

253 East Alabama Ry.—Opelika Junction to Buffalo, 20 miles.

1 B. Perkins	*President*	New York, N. Y.
2 Richard Irvin, Jr	*Secretary*	" "
3 Osgood Welch[1 2 3 4]	*Treasurer*	" "
4 W. W. Barnes[5]	*Superintend't.*	Opelika, Ala.

General office, Opelika, Ala. Transfer office, 41 and 43 Wall St., New York, N. Y.

254 East Broad Top RR.—Mount Union to Robertsdale, 30 miles; with branch, Rockhill to Shade Gap, 6 miles.

1 William A. Ingham	*President*	Philadelphia, Pa.
2 Edward Roberts, Jr	*Vice-President*	" "
3 W. B. Jacobs	*Sec. & Treas.*	" "

☞ *See note of explanation on first page.*

CALVIN WELLS, President and Treasurer. JAS. K. VERNER, Secretary.

PITTSBURGH
Forge & Iron Company,

MANUFACTURERS OF

DRAW BARS, LINKS & PINS,

Follower Plates, Railroad Forgings, Arch Bars, Splice Bars, Track Bolts, Merchant Iron.

BRIDGE RODS, WITH PLAIN OR UPSET ENDS, ALL SIZES.

OFFICE:

TENTH ST., NEAR PENN AVE., PITTSBURGH, PA.

CLEVELAND
ROLLING MILL CO.

CLEVELAND, OHIO,

MANUFACTURERS OF

Bessemer and Siemens-Martin Steel Blooms and Billets,

BESSEMER STEEL RAILS, IRON RAILS AND FASTENINGS,

Wire, Steel Tire and Forgings, Iron and Steel Angles, Bar and Spring Steel, Steels for Tools and Agricultural Work, Iron and Steel Boiler Plate, Galvanized and Black Sheet Iron.

WESTERN AGENCY:
91 Lake Street, Chicago ..... N. D. PRATT, Agent.
NEW ENGLAND AGENCY:
239 Franklin Street, Boston..... JOHN WALES & CO., Agents.
NEW YORK AGENCY:
23 Astor House ..... C. DICKERSON, Agent.
CINCINNATI AGENCY:
181 Walnut Street..... CHARLES B. MELISH, Agent.

254 East Broad Top RR.—*Continued.*

4 A. W. Sims[3 4]	*G. M. & Supt.*	Orbisonia, Pa.
5 A. W. Greenwood	*Master Mech.*	" "
6 J. G. Murphy	*Road Master*	" "
7 B. F. Ripple[1 2]	*Accountant*	" "

General office, 320 Walnut St, Philadelphia, Pa.

255 East St. Louis and Carondelet Ry.—East St. Louis to Falling Springs, 9 miles; East Carondelet Branch, 2 miles.

1 Thomas D. Messler	*President*	Pittsburgh, Pa.
2 John B. Bowman	*Secretary*	E. St. Louis, Ill.
3 John E. Davidson	*Treas. & Aud.*	Pittsburgh, Pa.
4 Joseph Hill	*Gen. Supt.*	St Louis, Mo.
5 C. A. Sanborn	*Ass't Supt.*	E. St. Louis, Ill.
6 G. K. Thomas	*Cashier*	" "
7 Dennis Rush	*Road Master*	" "

General office, East St. Louis, Ill. Transfer office, Pittsburgh, Pa.

256 East St. Louis Connecting Ry.—Along levee in East St. Louis, 3 miles. (See Wiggins' Ferry Co.)

1 John Scullin	*President*	St. Louis, Mo.
2 F. L. Ridgely	*Vice-President*	" "
3 S. A. Chouteau	*Secretary*	" "
4 H. L Clark[3 4]	*Treasurer*	" "
5 H. W. Gays	*Manager*	" "
6 R. N. Bothmer[11]	*Freight Agent.*	E. St. Louis, Ill.
7 Edward Wright	*Purch. Agent.*	" "
8 J Sheehan	*Road Master*	" "
9 W. C. Wilson	*Mast. Mech.*	" "

General office, East St. Louis, Ill.

257 East Tennessee, Virginia and Georgia Ry.—East Tennessee Div., 369 miles; Alabama Div., 377 miles; Georgia Div., 358 miles.

1 Samuel Thomas	*President*	New York, N. Y.
2 Calvin S. Brice	*Vice-President*	" "
3 Henry Fink	*Vice-President*	" "
4 J. G. Mitchell[3 6 9 10]	*Treasurer*	Knoxville, Tenn.
5 L. M. Schwan	*Secretary*	New York, N. Y.
6 H. L. Terrell	*Gen. Counsel*	" "
7 C. H. Hudson	*Gen. Manager*	Knoxville, Tenn.
8 B. W. Wrenn	*G. P. & T. A.*	" "
9 T. S. Davant	*Gen. Fgt. Agt.*	" "
10 Ray Knight	*A. G. F. & P. A.*	Selma, Ala.
11 J. J. Griffin	*Ass't G. F. A.*	Atlanta, Ga.
12 L. J. Ellis	*Ass't G. P. A.*	" "
13 J. Gotuard	*Ass't G. F. A.*	Knoxville, Tenn.
14 William Hawn[2]	*Auditor*	" "
15 D. W. Lum	*A. Chief Eng.*	" "
16 F. J. Hoyle[7 8 11]	*Car Account't.*	" "
17 J. E. Wilcox	*Purch. Agent.*	" "
18 W. H. Thomas	*Su. Mot. Power*	" "
19 L. A. Bell	*A. G. B. A.*	" "
20 F. K. Huger	*S. E. Ten. Div*	" "
21 John M. Bridges	*Supt. Ala. Div.*	Selma, Ala.
22 E. H. Barnes	*Supt. Ga. Div.*	Atlanta, Ga.
23 J. H. Gallagher	*M. Tr. Ga. Div.*	Macon, Ga.
24 J. J. Kress	*M. T. Ga. Div.*	Atlanta, Ga.
25 J. B. Michael	*M. M. E. T Div.*	Knoxville, Tenn.
26 C. F. Thomas	*M. M., Ga. Div.*	Atlanta, Ga.
27 C. L. Petrikin	*M. M. Ala. Div.*	Selma, Ala.
28 J. Armbruster	*M. C. B. E. T. D.*	Knoxville, Tenn.
29 J. J. Bossinger	*M. C. B. Ala. D.*	Selma, Ala.
30 A. H. Corinth	*M. C. B. Ga. D.*	Atlanta, Ga.
31 J. A. Smith	*For. Painter*	Knoxville, Tenn.
32 J. E. Platt	*RM & TK O RR*	" "
33 G. W. Paine	*R. M., Ala. Div.*	Selma, Ala.
34 A. P. Blue	*R. M., Ga. Div.*	Atlanta, Ga.

(*a*) *Memphis and Charleston RR.*—Memphis to Stevenson, 272 miles, with branches, 20 miles.

1 C. M. McGhee	*President*	Knoxville, Tenn.
2 Calvin S. Brice	*Vice-President*	New York, N. Y.
3 H. C. Wilton[3 4 9 10]	*Treasurer*	Memphis, Tenn.
4 L. M. Schwan	*Secretary*	New York, N. Y.
5 R. B. Pegram, Jr[2]	*Superintend't.*	Memphis, Tenn.
6 T. D. Flippen	*Auditor*	" "
7 H. M. Burford	*Mast. Mech.*	" "
8 J. S. Davant	*Ass't G. F. A.*	" "
9 C. A. Desaussure	*Ass't G. P. A.*	" "

257 East Tennessee, Virginia and Georgia Ry.—*Memphis and Charleston RR.*—*Continued.*

10 W. D. Minton	*For. Car Rep*	Memphis, Tenn.
11 W. R. Beauprie	*Train Master.*	" "
12 C. F. Blue	*Road Master*	" "

General office (M. & C. RR.), Memphis, Tenn. Transfer office, 10 Wall St., New York, N. Y.

General office (E. T., Va. & Ga. Ry.), Knoxville, Tenn. Transfer office, 10 Wall St., New York, N. Y.

258 East Tennessee and Western North Carolina RR.—Johnson City to Cranberry, 34 miles.

1 Ario Pardee, Jr.	*President*	Philadelphia, Pa.
2 John S. Wise	*Sec. & Treas.*	" "
3 C. H. Nimson	*Superintend't.*	Cranberry, N. C.
4 Wallace Hahn	*Auditor*	" "

General office, Cranberry, Mitchell Co., N. C.

259 East and West Railroad of Alabama.—Carterville to Broken Arrow, 110 miles; with branch to Tecumseh, 2 miles.

1 E. F. Browning	*President*	New York, N. Y.
2 A. G. West	*Vice-President*	Cedartown, Ga.
3 J. H. Browning	*Sec. & Treas.*	New York, N. Y.
4 J. R. Barber	*Ass't Sec & Tr.*	Cedartown, Ga.
5 T. J. Nicholl[3 9 10]	*G. M. & G. F. & P. A.*	" "
6 C. B. Brownell	*Au. & A. G. P. A.*	" "
7 J. J. Calhoun	*A. G. F. A. & Pu. A.*	" "
8 C. F. West	*Master Mech.*	" "
9 W. J. Vandivir	*Supt. Teleg.*	" "
10 J. E. Good	*Train Master.*	" "

General office, Cross Plains, Ala. New York office, 408 Broome St.

260 Eastern Kentucky RR.—Riverton to Willard, 34 miles.

1 Nathaniel Thayer	*President*	Boston, Mass.
2 H. W. Bates	*V.-Pres. & G. M.*	Greenup, Ky.
3 R. Sullivan	*Sec. & Treas.*	Boston, Mass.
4 C. D. Van Bibber	*Cashier, Aud.*	Greenup, Ky.
5 H. W Bates	*Purch. Agent.*	" "
6 A. W. Crawford	*Master Mech.*	Hunnewell, Ky.
7 Richard Sullivan	*Transfer Agt.*	Boston, Mass.
8 Robert Leedy	*Road Master.*	Grayson, Ky.

General office, Greenup, Ky. Transfer office, 79 State St., Boston, Mass.

261 Eastern and Western Air Line Ry.

See Columbus and Western RR.

262 Edgewood (Coal) Railroad.—Edgewood Intersection to Hampden Coal Fields, 1 mile.

1 W. H. Schoenberger	*President*	Cincinnati, O.
2 Edward P Loy	*Secretary.*	Pittsburgh, Pa.
3 Thomas C. Dickson	*Treasurer.*	" "

General office, Pittsburgh, Pa.

263 Eel River and Eureka RR.—Eureka to Burnell's, 25 miles.

1 John Vance	*President*	Eureka, Cal.
2 William Carson	*Vice-President*	" "
3 W. S. Riddell.	*Secretary.*	" "
4 Stephen Hill	*Treasurer*	" "
5 James Rogers.	*Superintend't.*	" "

General office, Eureka, Cal.

264 Elberton Air Line RR.

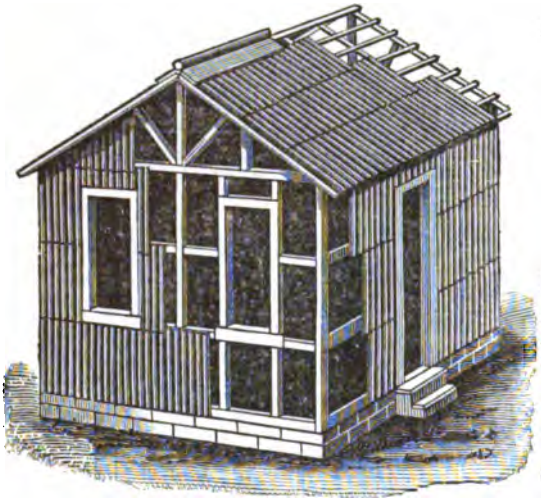
See Richmond and Danville RR.

265 Elgin, Petitcodiac and Havelock Ry.—Elgin to Havelock, 27 miles.

1 A. E. Killam	*Lessee & G. M.*	Petitcodiac, N. B.
2 H. Humphrys	*President*	" "
3 E. P. Eastman	*V.-Pres. & Sec.*	" "
4 Joseph Steeves	*Treasurer*	Elgin, N. B.
5 J. A. Killam	*Gen. Supt.*	Petitcodiac, N. B.
6 A. R. Wetmore	*Chief Engineer*	" "

☞ *See note of explanation on first page.*

GARRY IRON ROOFING COMPANY.



Largest manufacturers of Iron Roofing in the world.

MANUFACTURERS OF ALL KINDS OF

Iron Roofing,

Crimped and Corrugated Siding,

IRON TILE OR SHINGLE,

FIRE-PROOF

DOORS, SHUTTERS, IRON FRAMES

FOR

ROOFS, BUILDINGS, ETC.

☞ Send for Circular and Price-List No. 61.

IRON ORE PAINT AND CEMENT.

152-158 Merwin St., Cleveland, O.

BEST IRON PAINT.

CLEVELAND IRON ORE PAINT CO.,

MANUFACTURERS OF

Pure Iron Ore Paint.

Red (Rossie), Purple and Brown. We guarantee all our paints, and respectfully solicit the patronage of consumers and dealers. Our paints are used largely by the railroads and car builders of our country.

SEND FOR PRICE LIST NO. 8.

Office, 154 MERWIN ST., CLEVELAND, O.

265 Elgin, Petitcodiac and Havelock Ry.—*Continued.*

7 W. W. Price	*Auditor*	Petitcodiac, N. B.
8 John Mann	*Road Master*	" "

General office, Petitcodiac, N. B.

266 Elizabethtown, Lexington and Big Sandy RR.

See Chesapeake and Ohio RR.

267 Elmira, Cortland and Northern RR.—Elmira to Canastota, 120 miles.

1 Austin Corbin	*President*	New York, N. Y.
2 J. Rogers Maxwell	*Vice-President*	" "
3 Wm. G. Wheeler	*Sec. & Treas.*	" "
4 A. A. McLeod[1 2 4 9 10]	*Gen. Manager*	Elmira, N. Y.
5 M. A. Smith	*Auditor*	" "
6 G. F. Randolph[6]	*G. Ft. & P. Ag.*	" "
7 O. K. George	*Car Account't.*	Cortland, N. Y.
8 Thomas Kearsley	*M. M. & Tr. M.*	" "
9 E. Mahler[2 5 7 8]	*Purch. Agent*	Philadelphia, Pa.
10 F. S. Stevens	*Eng. M. of Way*	Cortland, N. Y.

General office, Elmira, N. Y. Transfer office, 115 Broadway, New York, N. Y.

268 Emmittsburg Railroad.—Emmittsburg to Rocky Ridge, 7 miles.

1 James A. Elder	*Pres. & G. Mgr.*	Emmittsburg, Md
2 C. T. Zacharias	*Treasurer*	" "
3 G. T. Crouse	*Secretary*	" "
4 J. C. Koscustes	*G. T. & Ft. Ag.*	" "
5 Jacob M. Eyler	*Road Master*	" "

269 Erie and Huron Ry.—Rond Eau to Sarnia, 70 miles.

1 E. O. Bickford	*President*	Toronto, Ont.
2 J. J. Ross	*Gen. Manager*	Sarnia, Ont.
3 J. J. Ross[2 4]	*G. S. & P. Ag.*	" "
4 W. N. Warburton	*G. F. & Pa. Ag.*	Chatham, Ont.
5 E. C. Davies	*Auditor*	Toronto, Ont.
6 A. G. Laird[2]	*Accountant*	Sarnia, Ont.
7 G. R. Joughins	*Mast. of Mach.*	Chatham, Ont.
8 George Smith	*Road Master*	" "

General office, Sarnia, Ont.

270 Erie and Wyoming Valley RR.—East Hawley to L. B. Junction, 44 miles; branches, 4.5 miles—total, 48.5 miles.

1 John B. Smith	*President*	Dunmore, Pa.
2 George B. Smith	*Sec., Tr. & Sup.*	" "
3 W. E. Street	*Gen. Tk. & P. Ag*	New York, N. Y.
4 A. D. Blackinton	*Chief Engineer*	Dunmore, Pa.
5 A. J. Crane	*Mast. Mech*	" "
6 G. W. Simpson	*Mast. Car B'r.*	" "

General office, Dunmore, Pa.

271 Eureka and Palisade RR.—Palisade to Eureka, 90 miles.

1 Edgar Mills	*President*	San Francisco, C.
2 D. O. Mills	*Treasurer*	Sacramento, Cal.
3 E. F. Oatman[2 4]	*Sec. & Auditor*	Eureka, Nev.
4 B. Gilman[5]	*Gen. Supt.*	" "
5 J. L. Fast[2]	*G. F., P. & T. A.*	Palisade, Nev.
6 J. M. Crawford	*Mast. Mech.*	" "
7 A. S. Longley	*Mas. Car. Rep.*	" "
8 Seth Ladd	*Mast. C. Paint.*	" "

General office, Palisade, Nev.

272 Eureka Springs Ry.—Seligman to Eureka Springs, 19 miles.

1 R. C. Kerens	*President*	St. Louis, Mo.
2 Powell Clayton	*V. P. & G. M.*	Eureka Sps., Ark.
3 Logan H. Roots[6]	*Treasurer*	Little Rock, Ark.
4 A. H. Foote[1 2]	*Sec. & Auditor*	Eureka Sps., Ark.
5 F. M. Richardson[3]	*Cashier*	" "
6 William Wallace	*Road Master*	" "
7 C. H. Smith	*Purch. Agent*	St. Louis, Mo.
8 J. B. Obenshain	*Master Mech.*	Eureka Sps., Ark.

General office, Eureka Springs, Ark. Transfer office, Little Rock, Ark.

273 Eutawville Railroad.—Pregnalls to Elloree, S. C., 34.75 miles.

1 Rufus C. Barkley	*President*	Charleston, S. C.
2 John Harlin	*Vice-President*	New York, N. Y.
3 Arthur L. Merriam	*Sec. & Treas.*	" "
4 I. W. Fowler[5]	*General Man.*	Eutawville, S. C.
5 S. B. Pickens	*Gen. Fgt. Agt.*	Charleston, S. C.

General office, Eutawville, S. C.

274 Evansville and Terre Haute RR.—Evansville to Terre Haute, 109 miles; Mt. Vernon Branch, 37 miles; Evansville Belt Ry. in city of Evansville, 5 miles; Evansville and Indianapolis RR., 138 miles—total, 289 miles.

1 D. J. Mackey[6]	*President*	Evansville, Ind.
2 W. J. Lewis[3 4 9 10]	*Sec. & Treas.*	" "
3 W. D. Ewing	*General Mgr.*	" "
4 G. J. Grammer[8]	*Traffic Mgr.*	" "
5 M. Bowden	*Superintend't.*	" "
6 J. H. Hedden[7 11]	*Car Account't.*	" "
7 E. B. Cooke[2]	*Auditor*	" "
8 C. A. Slayback	*Civ. Engineer*	" "
9 John Torrance	*Mast. Mech.*	" "
10 W. J. McLeish	*F. Loco. Rep.*	" "
11 J. T. McCallam	*Mast. Car B'r.*	" "
12 William Kelty	*Road Master*	" "

(*a*) *Evansville and Indianapolis RR.*—Evansville to Terre Haute, 138 miles.

1 Edwin Taylor	*President*	Evansville, Ind.
2 W. J. Lewis	*Sec. & Treas.*	" "

Operating officers same as Evansville and Terre Haute.

(*b*) *Peoria, Decatur and Evansville RR.*—Pekin to Evansville, 238 miles; New Harmony Branch, 6 miles; leased lines, 10 miles; total length, 254 miles.

1 D. T. Mackey	*President*	Evansville, Ind.
2 Wm. Heilman	*Vice-President*	" "
3 R. A. Bunker	*Treasurer*	Peoria, Ill.
4 R. A. Tambrill	*Secretary*	New York, N. Y.
5 E. B. Cooke	*Auditor*	Peoria, Ill.
6 T. A. Allen	*Chief Engineer*	Mattoon, Ill.
7 P. Reilly	*Master Mech.*	" "

General office (P., D. & E. RR.), Peoria, Ill.

General office (E. & T. H. RR.), Evansville, Ind. Financial office, Farmers' L. & T. Co., New York, N. Y.

275 Evergreen Railway.

Now part Pittsburgh and Western Ry.

276 Fall Brook Coal Company.—Lessee.

General Officers of Fall Brook Coal Co., in Charge of Operations of Leased Railway Properties.

1 George J. Magee	*President*	Watkins, N. Y.
2 John Lang[2 10]	*V.-P. & Treas.*	Corning, N. Y.
3 Daniel Beach	*Sec. & Gen. Coun*	" "
4 Geo. R. Brown	*Gen. Supt.*	" "
5 Robt. H. Canfield	*Ass't Supt.*	" "
6 H. A. Horning[1]	*Traffic Man.*	" "
7 W. Nicholson[2]	*Auditor*	" "
8 J. B. Terbell[7 8 11]	*Car Account't.*	" "
9 Anton Hardt	*Chief Eng.*	" "
10 S. T. Hayt	*Ass't Chief En.*	" "
11 Geo. E. Bartlett	*Sup. of Bridges*	Watkins, N. Y.
12 W. H. Chaphe	*Purch. Agent*	Corning, N. Y.
13 W. A. Foster	*Mast. of Mach.*	" "
14 C. J. Butler	*Mast. Car Rep.*	" "
15 M. Clancy	*Road Master*	" "
16 Z. W. Baker	*Supervisor*	Wellsboro, Pa.
17 John Smith	*Supervisor*	" "

Corporate Officers, Lessor Companies.

(*a*) *Corning, Cowanesque and Antrim Ry.*—Corning to Antrim, 53 miles; Cowanesque Valley Branch, 32 miles.

1 George J. Magee	*President*	Watkins, N. Y.
2 Daniel Beach	*Sec. & Treas.*	" "

☞ *See note of explanation on first page.*

"Everyone interested in Railroad securities has to depend on this work."—*New York World.*

"Celebrated for its minute information."—*London Iron.*

TO INVESTORS IN RAILROAD SECURITIES.

The *Twentieth Annual Number* of POOR'S MANUAL will contain a statement of all the Dividends paid by the Railroad Companies of the United States, with the date of their payments, for a period of *eight years*, from 1879 to 1886 inclusive. Such a statement for so long a period furnishes the best evidence possible of the value of the Stocks of the Companies paying such dividends. The MANUAL will also contain carefully prepared statements of the funded debts of the several companies and the security pledged for the same, of which the following statement of the funded debt of the *Chicago & Northwestern Railway* is given by way of example:

Description of Bonds.	Date of Bonds. Iss'd.	Date of Bonds. Payable.	Property Mortgaged. Road and Location.	Property Mortgaged. L'gth	Interest. Rate.	Interest. Payable.	Amount Outstanding.	Annual Interest.
Chicago & N. W. Ry. Co.:				M.	P.c.		$	$
*Preferred Sinking Fund	1859	Aug. 1, 1885	Chicago to Oshkosh	193	7	Feb. 1-Aug. 1	803,500	56,245
*General First Mortgage	1859	Aug. 1, 1885	Chicago to Oshkosh	193	7	Feb. 1-Aug. 1	3,332,500	233,275
*Appleton Extension	.....	Aug. 1, 1885	Oshkosh North	23	7	Feb. 1-Aug. 1	103,000	7,210
*Green Bay Extension	.....	Aug. 1, 1885	23 m. N. Osh'h to G. B.	26	7	Feb. 1-Aug. 1	168,000	11,760
General Consolidated Gold	1872	Dec. 1, 1902	See below	1,058	7	June 1-Dec. 1	12,343,000	864,010
Menominee Extension	1871	June 1, 1911	Ft. Howard to Es'ba	120	7	June 1-Dec. 1	2,549,500	178,485
Madison Extension	1871	Apr. 1, 1911	Madison to N. La C.	126	7	Apr. 1-Oct. 1	2,977,500	208,425
Consolidated Sinking Fund Currency	1865	Feb. 1, 1915	See below	776	7	F., M., A. & N.	8,249,000	577,430
Sinking Funds of 1879 6 p. c	1879	Oct. 1, 1929	See below	1,001	6	Apr. 1-Oct. 1	6,305,000	378,300
Sinking Funds of 1879 5 p. c	1879	Oct. 1, 1929			5	Apr. 1-Oct. 1	8,310,000	415,500
Sinking Fund Debenture of 1933	1883	May. 1, 1933	See below	.....	5	May 1-Nov. 1	10,000,000	500,000
Debentures	1884	Nov. 1, 1909	See below	.....	5	May 1-Nov. 1	4,000,000	200,000
Winona & St. Peter RR. 1st Mortgage	1870-1	Jan. 1, 1887	Win. to St. Peter & br.	137	7	Jan. 1-July 1	2,069,000	144,830
Beloit & Madison RR., 1st Mortgage	.....	Jan. 1, 1888	Beloit to Madison	46	7	Jan. 1-July 1	92,000	6,440
Chicago & Milwaukee Ry. 1st Mortgage	.....	July 1, 1898	Chicago to Milwaukee	85	7	Jan. 1-July 1	1,700,000	119,000
Peninsula RR. of Michigan 1st Mortgage	.....	Sept. 1, 1896	Es'ba to Negaunee	74	7	Mar. 1-Sept. 1	152,000	10,640
Iowa Midland Ry., 1st Mortgage	1870	Oct. 1, 1900	Lyons to Anamosa	75	8	Apr. 1-Oct. 1	1,350,000	108,000
Escanaba & L. Sup. Ry. 1st Mortgage	1881	July 1, 1901	Felch Mtn. to Es'ba	36	6	Jan. 1-July 1	720,000	43,200
Milwaukee & Madison Ry. 1st Mortgage	1880	Sept. 1, 1905	Milwaukee to Madison	80	6	Mar. 1-Sept. 1	1,600,000	96,000
Chicago & Tomah RR., 1st Mortgage	1880	Nov. 1, 1905	See below	154	6	May 1-Nov. 1	1,528,000	91,680
Menominee River RR., 1st Mortgage	1878	July 1, 1906	Junc. to Quinnesec	25	7	Jan. 1-July 1	400,000	28,000
Menominee River Extension 1st Mortgage	1879	July 1, 1906	Quinnesec to Florence	17	7	Jan. 1-July 1	160,000	11,200
Des M. & Minneapolis RR. 1st Mortgage	1882	Feb. 1, 1907	Des Moines to Calanan	58	7	Feb. 1-Aug. 1	600,000	42,000
Dak. C. Ry. (W & St.P.Con.). 1st Mortgage	1882	Sept. 1, 1907	Watertown to Redfield	71	6	Mar. 1-Sept. 1	1,007,000	60,420
Dak. C. Ry. (S. E. Div.), 1st Mortgage	1882	Nov. 1, 1907	Hawarden to Iroquois	125	6	May 1-Nov. 1	2,000,000	120,000
Roch. & N. Minn. Ry., 1st Mortgage	1878	Sept. 1, 1908	Roch. to Zumbrota	26	7	Mar. 1-Sept. 1	200,000	14,000
Plainview RR., 1st Mortgage	1878	Sept. 1, 1908	Eyota to Plainview	16	7	Mar. 1-Sept. 1	100,000	7,000
Minnesota Valley Ry., 1st Mortgage	1878	Oct. 1, 1908	S. Eye to Red Falls	26	7	Apr. 1-Oct. 1	150,000	10,500
Ottum., C. F. & St. P. Ry., 1st Mortgage	1884	Mar. 1, 1909	Bl.P. to Muchachinock	64	5	Mar. 1 Sept. 1	1,600,000	80,000
Win. & St. P. RR. (Ex. W. D.), 1st Mtge	1871	Dec. 1, 1916	St. Peter to Watertown	183	7	June 1-Dec. 1	4,689,500	285,635
Northw'n Union Ry., 1st Mortgage	1872	June 1, 1917	Milwauk. to F. du Lac	63	7	Mar. 1 Sept. 1	3,365,000	235,550
Chi., Milw. & N. W. Ry., Construction	1882	Nov. 1, 1905	Milwaukee to Montfort	141	6	May 1-Nov. 1	601,000	36,060
Cedar Rap. & Mo. Rv. RR., 1st Div. 1st Mtg.	1861	Aug. 1, 1891	Cedar Rap. to M'h'lst'n	70	7	Feb. 1-Aug. 1	700,000	49,000
Cedar Rap. & Mo. Rv. RR., 2d Div. 1st Mtg.	1863	Aug. 1, 1894	Marshalst'n to Moing'a	58	7	Feb. 1-Aug. 1	582,000	40,740
Cedar Rap. & Mo. Rv. RR., 3d Div. 1st Mtg	1866	May 1, 1916	Moingona to Mo. River	146	7	May 1-Nov. 1	2,332,000	163,240
Cedar Rapids & Mo. Rv. RR., 7 p. c. Mtge.	1884	June 1, 1909	Cedar Rapids to Boone	121	7	June 1-Dec. 1	769,000	53,830
Chicago, Iowa & Nebraska Ry., 1st Mtge.	1862	Aug. 15, 1892	Clin. to C. Rap. & Bdg	83	7	Feb. 15-Aug. 15	129,000	9,030
Maple River RR., 1st Mortgage	1877	July 1, 1897	.....	.....	7	Jan. 1-July 1	402,500	28,175
Northern Illinois Ry., 1st Mortgage	1885	Mch. 1, 1910	La Salle to Belvidere	75	5	Mch. 1-Sept. 1	1,500,000	75,000
Win. & St. Peter RR., 2d Mortgage	1870-1	Nov. 1, 1907	Win. to St. Peter & br.	137	7	May 1-Nov. 1	1,592,000	111,440
Total	.....	.....	.....	.....	.....	.....	90,622,000	5,641,860
Live Bonds in Sinking Funds	.....	.....	.....	.....	.....	.....	838,500	
Total as per Balance Sheet	.....	.....	.....	.....	.....	.....	91,460,500	

* Since retired. See page 47.

"Tables such as these (referring to the above) would be invaluable especially on this side of the water, as no amount of inquiry and research on the part of the ordinary investor would enable him to become so well acquainted in any other way with the exact position in which his security stands, as compared with other bonds or stocks of any particular undertaking."—*Burdett's Weekly Official Intelligence* (*London*).

POOR'S MANUAL OF RAILROADS,
70 Wall Street, New York.

☞ Orders for the edition of 1887 will now be received. The work is now in press and will be issued in June next. Price, $6, delivered free. ☜

276 Fall Brook Coal Company—*Continued.*

(b) *Pine Creek Railway.*—Stokesdale Junction to Williamsport, 79 miles.

1 Henry Sherwood...	*President* ..	Wellsboro, Pa.
2 George J. Magee...	*Vice-President.*	Watkins, N. Y.
3 E. V. W. Rossiter..	*Treasurer*	New York, N. Y.
4 William Howell....	*Secretary.* ..	Antrim, Pa.
5 Allyn Cox...	*Transfer Agt..*	New York, N. Y.

(c) *Syracuse, Geneva and Corning RR.*—Corning to Geneva, 58 miles.

1 G. J. Magee.....	*President*	Corning, N. Y.
2 John Lang[3 4].....	*Vice-President.*	" "
3 Daniel Beach.....	*Secretary*.... .	" "
4 E. D. Worcester...	*Treasurer*.....	New York, N. Y.

General office, Corning, N. Y.

277 Fall River, Warren and Providence RR.

See Old Colony RR.

278 Ferro Monte RR.—Vanatta Station to Byram Mine, 3 miles.

1 Alfred Mills.....	*President*.....	Morristown, N.J.
2 AugustusC.Canfield	*Treas.& Sec'y..*	Dover, N. J.
3 George Shaw.....	*Superintend't..*	Mine Hill, N. J.

General office, Dover, N. J.

279 Fitchburg Railroad.—Boston to Fitchburg, 50 miles; branches, etc., 102 miles.

1 E. B. Phillips.....	*President*.....	Boston, Mass.
2 M.D. Benson[3 4 9 10]	*Treasurer* * ...	" "
3 John Adams.....	*Gen.Superint..*	" "
4 H. F. Whitcomb[7 8]	*Registrar*	" "
5 C. S. Anthony[2].....	*Auditor*.....	" "
6 J. Whitmore.....	*Traffic Mangr.*	" "
7 C. L. Hartwell....	*Gen. Fgt.Agt..*	" "
8 J. R. Watson[1].....	*Gen. Pass Agt.*	" "
9 G. F. Foye[6].....	*Gen. Bag. Ag..*	" "
10 W. M. Anthony...	*As.G. Pass.Ag.*	Worcester, Mass.
11 E. K. Turner.....	*Chief Engineer*	Boston, Mass.
12 F. S. Pratt.....	*Purch Agent...*	" "
13 T. Whittemore....	*Corp & Dir. Ck.*	" "
14 Orlando Stewart..	*Spt.Mot.Power.*	" "
15 H. L. Leach, Jr....	*Asst. do.*	Fitchburg, Mass.
16 H. A. Phillip.....	*Div. Superint..*	Worcester, Mass.
17 J. F. Adams... ..	*Div. Superint..*	Fitchburg, Mass.
18 J. R. Hartwell.....	*Div. Superint..*	Boston, Mass.
19 J. W. Marden.....	*Sup. Car Dept.*	" "
20 F. B. Shipley.....	*Claim Agt...*	" "
21 L. J. Spaulding ...	*Road Master...*	Ayer, Mass.
22 T. J. Dickey.....	*Road Master...*	Charlestown, Mas
23 G. W. Bishop.....	*Road Master...*	Athol, Mass.
24 E. P.T.Tourtelotte	*Fm. Mach. Shs.*	Charlestown, Mas
25 F. W. Brazier.....	*Fm.Car Deprt.*	Fitchburg, Mass.
26 F. S. Sanborn.	*Fm.Car Deprt.*	Charlestown, Mas
27 J. W. Mackie[7 9 11]	*Car Accountant*	Boston, Mass.

General office, Boston, Mass.

(a) *Tunnel Division.*—Greenfield to State Line, 44 miles.

1 J. F. Adams.....	*Superintend't..*	Fitchburg, Mass.
2 Geo E. Dudley.....	*Station Agent..*	Nor.Adams,Mass.

General office, Boston, Mass.

Locomotive and Car Repair Shops at Charlestown, Worcester, Fitchburg, Greenfield, and North Adams.

280 Flint and Pere Marquette RR.—Monroe to Ludington, 253 miles, with branches, 103 miles.

1 William W. Crapo.	*President*.....	NewBedford,Mas
2 H. C. Potter.....	*V.-P. & G.Man.*	E.Saginaw, Mich.
3 H. C. Potter, Jr.[2 9]	*Sec. & Treas...*	" "
4 Sanford Keeler[7 8].	*Superintend't..*	" "
5 W. F. Potter.....	*Ass't Superint.*	" "
6 David Edwards[1]..	*A.G.M.&G P.A*	" "
7 A. Patriarche... .	*Gen. Fgt. Agt..*	" "
8 G. W. Ledlie [2 4 10]	*Auditor*.....	" "
9 F. D. Keeler.....	*Pagmaster*.....	" "
10 T. E. Borden.....	*Rec. Clerk*.....	" "
11 G. G. Cook.....	*Purch. Agent.*	" "
12 W. B. Sears.....	*Chief Engineer*	" "
13 L. H. Pines.....	*Gen. Bag.Agt..*	" "

280 Flint and Pere Marquette RR.—*Continued.*

14 W. L. Webber...	*Solicitor*.....	E.Saginaw, Mich.
15 A. W. Newton....	*Land Comm'r.*	" "
16 T. J. Hatswell ...	*Master Mech...*	" "
17 D. Herbage.....	*Mst. Car Paint.*	" "
18 G. M. Brown.....	*Road Master...*	" "
19 Anthony Rose....	*Div. Road Mst.*	Monroe, Mich.
20 Andrew Germer...	*Div. Road Mst.*	Flint, Mich.
21 Nathan Killen	*Div. Road Mst.*	E.Saginaw, Mich.
22 Alex. Ruthven....	*Div. Road Mst.*	Harrison, Mich.
23 John Ross.....	*Div. Road Mst.*	Evart, Mich.
24 N. Ungers....	*Div. Road Mst.*	Ludington, Mich.
25 William Sutton...	*Fm.Car Paint.*	E. Saginaw,Mich.
26 J. H. Woollacott[11]	*Car Account't..*	" "

General office, East Saginaw, Mich.

281 Florida Midland RR.—Apopka, east to a point 25 miles south of Lake Jessup, 25 miles.

1 Edward Page.....	*President*.....	Boston, Mass.
2 C. W. Morris.....	*Sec. & Treas..*	" "

282 Florida Railway and Navigation Company.—*Western Division* (Jacksonville to Chattahoochee, 209 miles; Drifton to Monticello, 4 miles; Tallahassee to St. Mark's, 21 miles), 234 miles. *Central Division* (Jacksonville to Hart's Road, 22.20; Fernandina to Cedar Key, 155.50 miles), 177.70 miles. *Southern Division* (Waldo to Withlacoochee, 96.26 miles; Wildwood to Tavares, 22.33 miles), 118.59 miles. Total all divisions, 530.29 miles, with branches, 69 miles.

1 H. R. Duval	*Receiver*.....	Jacksonville, Fla.
2 John A.Henderson	*Gen. Counsel...*	Tallahassee, Fla.
3 J. H. Thomas*....	*Treasurer*.	Jacksonville, Fla.
4 D. E. Maxwell[5]...	*Gen. Superint..*	" "
5 T. A. Phillips.	*Ast. Gen. Supt.*	" "
6 J. W. Bushnell....	*Chief Engineer*	" "
7 W. G. Coleman...	*Gen. Trav. Ag.*	" "
8 F. B. Papy.....	*Traffic Mgr....*	" "
9 A. O. MacDonell .	*Gen. Pass. Agt.*	" "
10 C.W.Maxwell[1 8 11].	*Car Account't.*	" "
11 T. W. Boby[2 3 9]...	*Auditor*.....	" "
12 L. S. Randolph....	*Master Mech...*	Fernandina, Fla.
13 C. E. Martin.....	*Rd.Mst.&Ft.A.*	" "
14 B. M. Burroughs..	*Road Master...*	Tallahassee, Fla.
15 J. E. Tucker.....	*Land Comm'r.*	Jacksonville, Fla.
16 R S. Lukenbill..	*G.Bag.&Pur A*	" "
17 W. S. Pennington.	*G.W.F.& P. A..*	Louisville, Ky.
18 T. S. Dumont.....	*Gen. Nthn.Agt.*	New York, N. Y.

General office, Fernandina, Fla. Transfer office, 35 Wall St., New York, N. Y.

283 Florida Southern Ry.—Palatka to Brooksville, 158 miles; Spurs, 10 miles; Charlotte Harbor Division, 78 miles; St. John's and Lake Eustis Division, 49 miles—total, 295 miles.

1 John W. Candler..	*President*.....	Boston, Mass.
2 John R. Hall.....	*Vice-President.*	" "
3 William L. Candler	*Sec'y & Treas.*	" "
4 Frank Q. Brown...	*Ass't Treas*....	" "
5 Sherman Conant .	*Gen. Manager..*	Palatka, Fla.
6 J. A. Larnard.....	*Superintend't..*	" "
7 O. W. Bromwell[6].	*G.Fgt.& Pa. A.*	" "
8 J. C. Telfer[2 4 7 8 10]	*Auditor*.....	" "
9 W. W. Mitchell[3 9].	*Cashier*.....	" "
10 W. P. Couper.....	*C.E &La. Com.*	" "
11 Edward Avery....	*Gen. Solicitor..*	Boston, Mass.
12 H. L. Cargill.....	*Com Immig'n.*	" "
13 W. B. Denham....	*Ass't Supt.* ...	Eustis, Fla.
14 Cleveland Foot....	*Purch Agent..*	New York, N. Y.
15 W. M. Rutherford.	*Master Mech...*	Ft. Mason, Fla.
16 James S. Jolly....	*Road Master...*	Rochelle, Fla.

General office, Palatka, Fla. Transfer office, 40 Water St., New York, N. Y.

284 Fonda, Johnstown and Gloversville RR.—Fonda to Northville, 26 miles.

1 W. J. Heacock....	*President*.. ...	Gloversville,N.Y.
2 D A. Wells.....	*Vice-President.*	Johnstown, N.Y.
3 John McNab.....	*Treasurer*.....	Gloversville,N.Y.
4 Lawton Caten[1 2 4 6]	*Sec'y & Supt..*	" "
5 G. V. Putnam.....	*Master Mech...*	" "
6 M. F. Button.	*Gen. Fgt. Agt..*	" "

General office, Gloversville, N. Y.

☞ *See note of explanation on first page.*

G. P. BANGS, President. H. M. CROSS, Secretary. E. E. PRATT, Treasurer.

THE

Desha Lumber and Planting Co.

MANUFACTURERS OF

OAK, ASH, HICKORY, GUM and ELM LUMBER.

SPECIALTIES.

Lumber for Export; Dimension Orders for Bridge and Car Builders; and Agricultural Implement Manufacturers. Plain and quarter sawed White and Red Oak, Ash and Gum for Furniture and Finishing.

Mills at Arkansas City, Arkansas. Home Office, No. 60 Congress St., Boston, Mass.

D. B. MORRISON, General Manager.

C. S. BURT, President. WM. L. BURTON, Secretary and Treasurer.

BURTON LUMBER CO.,

BATON ROUGE, LA.

CYPRESS SIDING.

We make a special feature of Cypress **CAR SIDING AND ROOFING, Porch Flooring, Siding and Shingles. Cypress** is the **best wood** known for these purposes, by reason of its **great durability** when exposed to the weather.

Daily Capacity of Mills — 50,000 feet of Lumber, 200,000 Shingles.

SAMPLES ON APPLICATION.

285 Fort Madison and Northwestern Ry.—Fort Madison to Collett, 45 miles.

1 Charles A. Gilchrist.	*Rc.S.CE&RM.*	Ft. Madison, Ia.
2 J. C. Atlee	*President*.....	" "
3 M. F. Fairbanks...	*Aud.Sec.&Tr.*	" "
4 John A. McCormick.	*G.Fgt. &Ps. A.*	" "
5 E. W. Merrill.....	*Transfer Agent*	" "
6 L. F. Huntsman...	*M.M.&F.R.S.*	" "

General office, Ft. Madison, Ia.

286 Fort Wayne, Cincinnati and Louisville RR.—Fort Wayne to Connersville, 104 miles; Rushville Branch, 24 miles; and

286a White Water RR.—Harrison to Hagerstown, 65 miles.

OFFICERS OF BOTH RAILROADS.

1 Elijah Smith[4 10]...	*President*.....	Boston, Mass.
2 P. W. Smith.....	*S&TFWC&L..*	" "
3 H. Parkman	*S&T.WW.RR.*	" "
4 W. Worthington[2 8 9]	*Gen. Superint..*	Ft. Wayne, Ind.
5 R. F. Kinnaird....	*G.Ps. & Tk. A.*	" "
6 S. A. Wikel.....	*Ast.G.Fgt. A..*	" "
7 C. Hoffmann[2 7 8]...	*Auditor*.....	" "
8 T. H. Haberkorn..	*M.M.FWC&L.*	" "
9 John C. Wagner...	*R.M.FWC&LR*	" "
10 C. B. Keller.....	*R.M.W.W.RR.*	CambridgeCityIn
11 A. S. Johnson[11]...	*Car Account't..*	Ft. Wayne, Ind.

General offices, Ft. Wayne, Ind.

287 Fort Worth and Denver City Ry.—Operated from Hodge to Quanah, 193 miles. Track laid 21¼ miles. Grading completed 60 miles from end of track, and track laid at the rate of 1¼ miles per day.

1 Morgan Jones. ...	*President*.....	Fort Worth, Tex.
2 Thomas W. Pearsall	*Vice-President.*	New York, N. Y.
3 J. T. Granger....	*Treasurer*.....	" "
4 W. A. Ross[3 4 7 8 10]	*Sec. & Auditor*	Fort Worth, Tex.
5 C. L. Frost[5]... .	*Superintend'nt*	" "
6 W. V. Newlin[1 6]..	*G.Fgt. & P. A.*	" "
7 Geo. Strong[8 9 11]..	*Cashier*.....	" "
8 E. M. Alvord.....	*Train Master*..	" "
9 E. M. Alvord.....	*Road Master*...	" "
10 M. R. Kiley.....	*Master Mech*...	" "

General office, Ft. Worth, Tex. Transfer office, 1 Broadway, New York, N. Y.

288 Franklin and Megantic RR.—Strong to Kingfield, 15 miles; branch, 2 miles.

1 Samuel W. Sargent.	*President*.....	Boston, Mass.
2 Philip H. Stubbs[3 4].	*Trs.& Gen.Mg.*	Strong, Me.
3 (Vacant)	*A.S & G F&PA*	" "
4 W. F. P. Fogg[2 5 7]..	*Cashier*.....	" "
5 V. B. Mead..	*Purch. Agent*..	Boston, Mass.
6 Frederic Danforth.	*Chief Engineer*	Gardiner, Me.
7 William H. Dyer. .	*Master Mech*...	Strong, Me.
8 H. C. Goff....	*Mst. Car Eprs.*	" "

General office, Strong, Me.

289 Freehold and New York Ry.—Freehold to Keyport, 15 miles.

1 John S. Schultze...	*President*.....	New York, N. Y.
2 J. E. Ralph[7 2 3 4 7 8 9 10].	*Sp., Sec. & Trs.*	Freehold, N. J.
3 J. E. Ralph[1].....	*G.T.,F.&P. A.*	" "
4 George T. Lape.....	*Chief Engineer*	Brooklyn, N. Y.
5 C. H. Snedeker.....	*Metr. Car Bldr.*	Freehold, N. J.
6 Michael Cannon....	*Road Master*..	Matawan, N. J.
7 M. C. Mooney. . ..	*Fin. &ng. Rpr.*	Freehold, N. J.

General office, 59 Wall St., New York, N. Y. Transfer office, Freehold, N. Y.

290 Fremont, Elkhorn and Missouri Valley RR.

See Chicago and Northwestern Ry. System.

291 Fulton County Narrow-Gauge RR.—Havana to Galesburg, 61 miles.

1 S. H. Mallory.....	*Pres.& Gn.Mg.*	Chariton, Ia.
2 Henry Phelps.....	*Vice-President.*	Lewistown, Ill.
3 D. J. Thayer.....	*Secretary*	" "

291 Fulton County Narrow-Gauge RR.—*Continued.*

4 Moses Turner.	*Treasurer*.....	Lewistown, Ill.
5 A. C. Atherton.....	*G.S.S.M.P&M*	" "
6 A. C. Atherton[5 6]...	*G.Fgt.& Ps. A.*	" "
7 J. D. Temple.....	*Auditor*	" "
8 John A. Gray.....	*Gen. Solicitor*..	" "
9 John Mack.....	*Road Master*...	" "

292 Gainesville and Dahlonega RR.—Gainesville to Dahlonega, 26 miles.

1 W. P. Price.....	*President*.....	Dahlonega, Ga.
2 C. C. Sanders..... .	*Vice President.*	Gainesville, Ga.
3 W. S. Williams....	*Treasurer*	" "
4 H. H. Perry...	*Secretary*.	" "
5 J. J. Gaillard.....	*Chief Engineer*	" "

General office, Dahlonega, Ga.

293 Galveston, Harrisburg and St. Antonio Ry.

See Southern Pacific Co.

294 Galveston, Houston and Henderson RR.

See Missouri Pacific Ry.

295 Galveston, Sabine and St. Louis Ry.—Longview Junction to Tatum, 21 miles.

1 John M. Duncan..	*Receiver*.....	Tyler, Tex.
2 Nelson S. Eaton...	*President*.....	New York, N. Y.
3 Richard J. Evans..	*V.-P. & G. M..*	Longview, Tex.
4 Edwin S. Larchar.	*Sec. & Treas*...	New York, N. Y.
5 D. D. Pinkham....	*Master Mech*...	Longview, Tex.
6 J. V. Alexander...	*Road Master* ..	" "
7 R. J. Evans.....	*Consult. Eng*..	" "
8 Brad. Barner.....	*President*.....	" "
9 James Turner....	*Vice-President*.	" "
10 J. H. Cutcher.....	*Secretary*.	" "
11 Peter Vandewater.	*Chief Engineer*	" "

General office, Longview, Tex. Locomotive and Car Repair Shops at Longview, Tex.

296 Geneva, Ithaca and Sayre RR.

See Lehigh Valley RR.

297 Georgetown and Lane's RR.—Georgetown to Lane's, 37 miles.

1 E. F. Verdery.....	*Receiver*.....	Augusta, Ga.
2 P. E. Twiggs.....	*Supt. & Treas.*	Georgetown, S.C.
3 T. M. Emerson.'....	*Gen. P. & F.A.*	Wilmington, N.C.
4 T. W. Brightman..	*Auditor*.....	Georgetown, S.C.

General office, Georgetown, S. C.

298 Georgia Associated Traffic Lines, consisting of the following railroads and their branches: Western and Atlantic, Central of Georgia, Georgia, South Carolina, Port Royal and Augusta, Atlanta and West Point, Western of Alabama, Brunswick and Western.

1 Joseph M. Brown.	*Gen. F. & P.A.*	Atlanta, Ga.
2 G. A. Whitehead..	*Gen. F. & P.A.*	Savannah, Ga.
3 E. R. Dorsey.....	*Gen. F. & P.A.*	Augusta Ga.
4 Charles E. Harman	*Gen. West. Agt.*	Cincinnati, O.
5 Thos. McGill.....	*Gen.N. W. Agt.*	Chicago, Ill.
6 Frank E. Drake...	*Gen. S. W. Agt.*	Kansas City, Mo.
7 Geo M. Brown....	*So. En. Agent*..	Atlanta, Ga.
8 W. H. Trezevant..	*Gen. So. Agent*	" "
9 J. T. Hosford.....	*Gen. T. P. Agt.*	Chicago, Ill.
10 Joseph W. White.	*Gen.T. P. Agt.*	Augusta, Ga.
11 Chas. B. Walker...	*Trav.Pass Agt.*	Atlanta, Ga.
12 J. P. Beckwith....	*Fla.Fgt. Agent*	Jacksonville, Fla.
13 W. H. Lucas.....	*Fla.Pass Agent*	" "
14 David Barwald...	*Trav. Agent*...	Atlanta, Ga.
15 James Maloy.....	*Pass. Agent*....	" "
16 S. L. Rogers.....	*Pass. Agent*....	Chattanooga, Ten

299 Georgia Railroad.—Augusta to Atlanta, 171 miles, with branches, 136 miles.

1 C. H. Phinizy.....	*President*.....	Augusta, Ga.
2 John W. Green[5]...	*Gen. Manager*.	" "
3 W. T. Richards[2 9].	*Treasurer*.	" "
4 S. A. Hemphill....	*Superintendent*	" "

☞ *See note of explanation on first page.*

ORINOKA MILLS

Manufacture Goods for Railroad Cars.

BURGESS TAPESTRIES

(New Designs),

Berth Curtains, Etc.

SPECIAL DESIGNS MADE TO ORDER.

B. L. SOLOMON'S SONS, Selling Agents,

Union Square and 16th Street,

NEW YORK.

Full Line of Railroad Plushes

ALWAYS IN STOCK.

299 Georgia Railroad—*Continued.*

5 E. R. Dorsey[2]	*Gen. F. & P. A.*	Augusta, Ga.
6 S. W. Wilkes	*Soliciting F. A.*	" "
7 Carlton Hillyer[4 10]	*Auditor*	" "
8 John S. Cook	*Master Mech.*	" "
9 W. G. Middleton	*For. Mach. Shop*	" "
10 T. M. Preval	*Mast. Car B'r.*	" "
11 J. E. Collier	*Mast. Car P'r.*	" "
12 H. Wilkins	*Road Master*	" "
13 J. B. Johnson	*Fuel Agent*	Atlanta, Ga.
14 John W. Bell	*Track Superv.*	Harlem, Ga.
15 W. M. Robinson	*Track Superv.*	Covington, Ga.
16 L. P. James	*Bridge Superv.*	James, Ga.
17 J. W. Fielder[7 8 11]	*Car Account't.*	Augusta, Ga.

General office, Augusta, Ga.

See also Georgia Associated Traffic Lines.

300 Georgia, Midland and Gulf RR.—Columbus, Ga., northeast to Athens, 160 miles, of which 98 miles, Columbus to McDonough, are under construction and track laid upon 40 miles of same. Gauge, 4 ft. 9 in.

1 G. G. Jordan	*President*	Columbus, Ga.
2 J. E. Grannis	*Vice-President*	New York, N.Y.
3 M. E. Gray	*Sec. & Treas.*	Columbus, Ga.
4 W. S. Greene	*Chief Eng*	" "

This road is being built by a corporation known as the Georgia Midland Construction Co., having the following officers: G. G. Jordan, President, Columbus, Ga.; James E. Grannis, Vice-President, New York, N. Y.; M. E. Gray, Treas. and Supt., Columbus, Ga.

301 Georgia Pacific Ry.

See Richmond and Danville System.

302 George's Creek and Cumberland RR.—Cumberland to New Detmold Mine, 20 miles, with branch, 5 miles; and

302a Pennsylvania RR., in Maryland.—Cumberland to Pennsylvania State Line, 6 miles.

OFFICERS OF BOTH RAILROADS.

1 Henry Loveridge	*President*	New York, N. Y.
2 Gardner P. Lloyd	*Vice-Pres & T.*	" "
3 W. de L. Walbridge	*Secretary*	" "
4 J. A. Millholland	*Gen. Manager*	Cumberland, Md.
5 J. P. Gaffney	*Chief Engineer*	" "
6 E. D. Mareau	*Mast. of Trans.*	" "
7 A. F. Seeley	*Road Master*	" "
8 Thomas McCann	*Mast. of Mach.*	" "
9 Daniel Haggerty	*Foreman of R.*	" "

General office, 35 Broadway. Transfer office, 1 Broadway, New York, N. Y.

303 Gettysburg and Harrisburg RR.—Hunters Run to Gettysburg, 22 miles.

1 J. C. Fuller	*President*	Philadelphia, Pa.
2 John M. Butler[3 4]	*Treas. & Sec.*	" "
3 W. H. Woodward[1 2]	*Gen. Supt.*	Carlisle, Pa.
4 A. E. Lehman	*Chief Engineer*	" "
5 John Christman	*Foreman L. R.*	PineGroveFur, Pa
6 John Fuller	*Foreman C. R.*	Carlisle, Pa.

General office, Carlisle, Pa.

304 Grafton and Greenbrier RR.—Grafton to Philippi, 24 miles. Under construction from Philippi, south to Belington, 12 miles, and track laid 6 miles.

1 John Bradshaw	*President*	Grafton, W. Va.
2 J. E. Hall	*Vice-President*	Philippi, W. Va.
3 G. W. Gall, Jr.	*Treasurer*	" "
4 J. H. Glasscock	*Secretary*	" "
5 G. M. Whitescarver	*Gen. Manager*	Grafton, W. Va.
6 H. Grant[2 3 4 6 8 9 11 10]	*A., A. A & Paym*	" "

305 Grafton Centre RR.—Grafton to Grafton Centre, 3 miles.

1 E. P. Usher	*President*	Boston, Mass.
2 A. A. Howe	*Treasurer*	Grafton, Mass.
3 A. G. Morse	*Secretary*	Boston, Mass.
4 Geo. M. Newton	*Superintendent*	Grafton, Mass.

306 Grand Rapids and Indiana RR.

See Pennsylvania System.

307 Grand Southern Railway of New Brunswick.—DeMille Junction to St. Stephen, 81 miles; branch, 2 miles.

1 Thomas Barry	*President*	St. George, N. B.
2 Hugh Ludgate	*Treasurer*	" "
3 John O'Neill	*Secretary*	" "
4 J. N. Greene	*Gen. Manager*	" "
5 J. E. Lynott	*Gen. Tkt. Agt*	" "
6 F. W. Holt	*Supt & Fgt. A.*	" "
7 Thomas Logan	*Mast. Mechanic*	" "
8 F. W. Holt	*Eng. & Supt B.*	" "
9 John Flinton	*Road Master*	St. Stephen, N.B.

308 Grand Tower and Carbondale RR.—Grand Tower to Carbondale, 24 miles.

1 E. A. Hitchcock	*President*	St. Louis, Mo.
2 O. L Garrison	*V.-Pres. & Tr.*	" "
3 Joseph D Peters[3 4]	*Sec. & Supt.*	Carbondale, Ill.
4 S L. Sherer	*Purch. Agent*	St. Louis, Mo.
5 John Lewis	*Mast. Mechanic*	Mt. Carbon, Ill.
6 J. P. Foster	*Auditor*	St. Louis, Mo.

Repair Shops at Mt. Carbon, Ill.

General office, Grand Tower, Ill. Transfer office, St. Louis, Mo.

309 Grand Trunk Ry.—Main Line: Portland to Detroit, 861 miles; Niagara Falls to Windsor, 230 miles; Fort Erie to Glencoe, 145 miles. Total mileage, with branches, 2,918 miles.

General office, Montreal, Can.

EXECUTIVE OFFICERS.

1 Henry W. Tyler	*President*	Edmonton, Eng.
2 Charles L. Young	*Vice-President*	London, Eng.
3 J. B. Renton	*Secretary*	" "

OFFICIALS OF THE SYSTEM.

1 Joseph Hickson	*Gen. Manager*	Montreal, Can.
2 L. J. Seargeant	*Traffic Man.*	" "
3 Wm. Wainwright	*Ass't Manager*	" "
4 C. Percy	*Ass'tto Gen Man*	" "
5 Robert Wright	*Treasurer*	" "
6 H. Read	*Ass't Treas.*	" "
7 T. B. Hawson	*Traffic Aud.*	" "
8 J. F. Walker	*Asst. Traf. Au.*	" "
9 H. W. Walker	*Accountant*	" "
10 N. J. Power	*Asst. Account't*	" "
11 Thomas Tandy	*Gen. Fgt. Agt.*	" "
12 Wm. Edgar	*Gen. Pas. Agt.*	" "
13 John Taylor	*Gen. Storekeep.*	" "
14 G. R. Nash	*Ass't Storekeep.*	" "
15 H. K. Ritchie	*Stationy Agt.*	" "
16 J. G. Hunt	*Car Distribu.*	" "
17 John Bell, Q.C.	*Solicitors*	Belleville, Ont.
18 Geo. Macrae, Q.C.	*Solicitors*	Montreal, Que.
19 E. W. Meddaugh	*Solicitors*	Detroit, Mich.
20 Hon. A. A. Strout	*Solicitors*	Portland, Me.
21 J. W. Loud	*Thr. Tr. Gen. F. A. (W. D.)*	Detroit, Mich.
22 Edmund Wragge	*Local Mgr.*	Toronto, Ont.
23 Dr. T. A. Rodger	*Chf. Med. Offic.*	Montreal, Que.

DIVISION OFFICERS.

24 James Stephenson, *Supt.* { *Grand Tr. East of Toronto.* / *Grand Tru. Midland Div.* / *Grand Tr. N. Div. W. of Tor.* } Montreal, Can.
25 C. Stiff, *Supt. G. T. So. Div. W. of Tor.* Hamilton, Ont.
26 A. B. Atwater, *Supt. Mich. Div.*, Battle Creek, Mich.
27 J. Bell, *Ass't Supt. Champlain Div.*
28 R. Hay, *Ass't Supt. Eastern Division.*
29 J. M. Riddell, *Ass't Supt. Central & Midland Div.*
30 W. R. Tiffin, *As. S. G. T. N. D. W. of Tor.*, Stratford, Ont.
31 Robert Larmour, *Ass't Supt. G. T. So. Div. W. of Tor.*, London, Ont.
32 W. J. Morgan, *Local Supt. Mich. Div.*, Detroit, Mich.
33 J. McFadzean, *Local Supt.*, Point Edward, Ont.

Track Department.

34 E. P. Hannaford	*Chief E. G. T. D.*	Montreal, Que.
35 Jos. Hobson	*Chief E. G. W. D.*	Hamilton, Ont.

See note of explanation on first page.

DILWORTH, PORTER & CO., Limited

RAILROAD AND BOAT

SPIKES.

PITTSBURGH, PA.

H. E. COLLINS & CO.,

Iron Ore, Pig Iron, Steel Rails,

STEEL BLOOMS, BILLETS AND SLABS.

Open Rails, Crop Ends, Muck Bars. Open-Hearth Melting Stock and Scrap Iron.

Room, 34 Lewis Block, Pittsburgh, Pa.

309 Grand Trunk Ry.—*Track Department—Continued.*

36 J. G. Macklin.....	*Eng. Mid. Div.*	Peterborough, On
37 Geo. Masson.....	*Eng. Mich. Div.*	Battle Cr'k, Mich.
38 J Y. Lloyd.....	*Ass't E. G. T. D.*	Richmond, Can.
39 H. B. Hollinshead.	*Ass't E. G. T. D.*	Toronto, Ont.
40 Randolph Clarke..	*Ass't E. G. T. D.*	Stratford, Ont.

Mechanical Department.

41 Herbert Wallis..	*Mech. Sup. G. T. & Mid. Div.*	Montreal, Que.
42 C. K. Domville...	*Mech. S. G. W. D*	Hamilton, Ont.
43 Herbert Roberts..	*Mech. S. Mich. D*	Detroit, Mich.

Assistant Mechanical Superintendents.

44 F. L. Wanklyn WM	*G. T. Div.*	Pt. St. Charles.
45 W. McWood (C.D.)	*G. T. Div.*	" "
46 J. W. Harkom....	*G. T. Div.*	Richmond, Can.
47 R. Boag	*G. T. Div.* . .	Stratford, Ont.
48 J. D. McIlwain (CD)	*G. W. Div.*...	London, Ont
49 J. D. Barnett.	*Mid Div.*.....	Port Hope, Ont.

District General Freight Agents.

50 John Main.....	*Ass't Mich. Div.*	Detroit, Mich.
51 John Earls.	*W. of Toronto*..	Toronto, Ont.
52 Arthur White...	*Mont. to Tor. & Mid. Div.*	" "
53 Andrew Burns...	*E. of Montreal*.	Montreal, Can.

54 *Audit Department.*—Travelling Auditors: John Higginbottom, Harry Upton, Alex. Fraser.

55 *Stores Department.*—Deputy Store Keepers: Wm. Wall, Montreal, Que.; D. F. Corser, Portland, Me.; Robert Beatty, Stratford, Ont.; E. R. Baines, London, Ont.

Accounts.—Department Accounts.

56 T. W. Bussell....	*Engs. Depart*..	Montreal, Que.
57 George E. Mason.	*Engs. Depart*..	Hamilton, Ont.
58 W. H. Rosevear...	*Mech. Depart*..	Montreal, Que.
59 H. C. Munnie.....	*Mech. Depart*..	Hamilton, Ont.
60 Jos. White.....	*Traf. Depart*..	Montreal, Que.
61 Herbert Tatum...	*Tr. Dep.* (*pay*).	" "
62 C. T. Kilner.....	*Stores Depart*..	" "

Treasurer's Department.

63 George Irving ...	*Paymaster*....	Montreal, Que.
64 Joshua Henshaw..	*Ass't Paym'st'r*	" "
65 W. S. Champ.....	*Ass't Paym'st'r*	Hamilton, Ont.
66 T. W Elliott. . .	*Cashier*.....	Montreal, Que.
67 J. A. Carlaw	*Cashier*.....	Toronto, Ont.
68 C. E. Barrett.....	*Local Treas*. ..	Portland, Me.

Insurance and Provident Society.

69 H B. Moore.....	*Sec. & Treas*..	Montreal.

Superannuation and Provident Fund Association.

70 T. B. Hawson....	*Secretary*.....	Montreal.

GRAND TRUNK SYSTEM—ASSOCIATED LINES.

(*a*) *Chicago and Grand Trunk Ry.*—Port Huron to Chicago, 339 miles.

1 Joseph Hickson..	*President*.....	Montreal, Can.
2 L. J. Seargeant...	*Vice-President*.	" "
3 Charles Percy...	*Asst. to Pres. & Secretary*	" "
4 Jas. H. Muir[2 8 10].	*Treasurer*.....	Detroit, Mich.
5 W. J. Spicer[7 8 11].	*Gen. Manager*..	" "
6 A. B. Atwater.....	*Superintendent*	" "
7 W. J. Morgan.....	*Asst. Supt*....	Battle Cr'k Mich.
8 George B Reeve[1].	*Traf. Man*.....	Chicago, Ill.
9 John Main.....	*Ass't Gen. Fgt A*	Detroit, Mich.
10 David Brown.....	*Ass't Gen. Fgt A*	Chicago, Ill.
11 W. E Davis.....	*Gen. P. & T. Agt*	" "
12 E. H. Hughes.....	*Gen. Wn. P. Agt.*	" "
13 W. F. Smith.. ...	*Gen. En P. Agt.*	New York, N.Y.
14 J. E. Quick... ...	*Gen. Bag. Agt.*	Detroit, Mich.
15 G. Masson.....	*Chief Engineer*	" "
16 H. Roberts.	*Mech. Supt*....	" "
17 J. S. Lorimer[6]...	*Gen. Storekeep.*	" "
18 E. W. Meddaugh..	*Solicitor*.....	" "

General offices, Detroit, Mich., and Chicago, Ill. Transfer offices, Detroit, Mich., and New York, N.Y.

309 Grand Trunk Ry.—*Continued.*

(*b*) *Detroit, Grand Haven and Milwaukee, Ry.*—Detroit to Grand Haven, 189 miles.

1 Joseph Hickson. .	*President*.....	Montreal, Can.
2 C. Percy...	*Ass't to Pres*...	" "
3 J. H. Muir[2 3 4 9 10].	*Sec. & Treas*. .	Detroit, Mich.
4 W. J. Spicer.	*Gen. Manager*.	" "
5 A. B. Atwater....	*Superintendent*	" "
6 W. J. Morgan[7 8] .	*Local Supt*....	" "
7 George B. Reeve..	*Traff. Manager*	Chicago, Ill.
8 John Main.....	*Ass't Gen. F. A.*	Detroit, Mich.
9 David Brown.. ...	*Ass't Gen. F. A.*	Chicago, Ill.
10 W. E. Davis[1].	*Gen. P. & T. Agt*	" "
11 W. F. Smith	*Gen En. P. Agt.*	New York, N.Y.
12 B. C. Meddaugh...	*Gen. Wn P. Agt.*	Milwaukee, Wis.
13 J. E. Quick	*Gen. Bag. Agt.*	Detroit, Mich.
14 George Masson...	*Engineer*.....	" "
15 H. Roberts.....	*Mech. Supt*....	" "
16 John S. Lorimer..	*Gen. Storekeep.*	" "
17 George Jerome...	*Solicitor*.....	" "

General office, Detroit, Mich.

310 Green Bay, Winona, and St. Paul RR.—Green Bay to Marshland, 209 miles; branches, 16 miles.

1 Samual Sloan.....	*President*.....	New York, N.Y.
2 Gavin Campbell ...	*General Man*...	Green Bay, Wis.
3 Theodore Sturges..	*Sec. & Treas*..	New York, N.Y.
4 S. W. Champion[6]..	*Gen. Fgt. & P. A*	Green Bay, Wis.
5 F. W. Froemke[2 4 9 10].	*Aud. & Cashier*	" "
6 W. C. Wheelock[2]..	*Ticket Auditor*.	" "
7 R. D. La Pine[7 8 11].	*Car Acct*.....	" "
8 A. Fenwick.....	*Master Mech*...	" "
9 A. Rossiter.....	*Supt. Bridges*..	New London, Wis.

General office, Green Bay, Wis. Financial Agency, 52 Wall St., New York, N. Y.

311 Greenlick Narrow-Gauge Ry.—Greenlick Junction to Mount Vernon Mines, 3.5 miles.

1 D. H. Pershing ..	*Pres. & Gen. S.*	Stauffer St'n, Pa.
2 Nath. Miles.....	*Sec & Treas*. .	Scottdale, Pa.
3 David White.....	*Div. Supt*.....	" "

General office, Scottdale, Pa.

312 Green Pond, Walterboro and Branchville RR.—Projected from Branchville to Walterboro, and 10 miles of track laid.

313 Greenwich and Johnsonville Ry.—Greenwich to Johnsonville, 15 miles.

1 W. D. Robertson..	*President*	South Argyle, N.Y
2 Horton Cotrell....	*Vice-President*.	Greenwich, N. Y.
3 C H. Van Ness....	*Treasurer*.	" "
4 E. H Gibson.....	*Secretary*.....	" "
5 J. H. Thompson[1 2 3 4]	*Su., Wan. & Au.*	" "
6 E. W. Cook	*Road Master*...	Summit, N.Y.

314 Gulf, Colorado, and Santa Fé Ry.—Galveston to Lampasas, 474 miles; branches, 277 miles.

1 George Sealy.....	*President*.....	Galveston, Tex.
2 R. S. Willis.	*1st Vice-Pres*..	" "
3 Webster Snyder.	*2d V.-P. & G. M.*	" "
4 W. S. Davis[2 3 4 7 9 10 16]	*Sec. & Treas*...	" "
5 J. S. Clark.....	*G. P. & T. Agt.*	" "
6 William H. Masters	*Gen. Fgt. Agt*..	" "
7 J. M. Steere.....	*Ass't Gen. Fgt A.*	Dallas, Tex.
8 J. P. Whitehead..	*Comptroller*	Boston, Mass.
9 Webster Snyder ..	*Chief Engineer*	Galveston, Tex.
10 W. J. Sherman...	*Ass't Chf. Eng.*	" "
11 John W. Thorne..	*Purchasing Agt*	" "
12 W. H. Reilly.....	*Master Mech*...	" "
13 H. J. Bearup.....	*Ass't Mech. Me.*	" "
14 J. M. Phillips...	*Mast. of Transp*	" "
15 T. W. Jackson....	*Land Agent*...	" "
16 Jas. N. Fuller .. .	*Gen. En. Agent*	New York, N.Y.

General office, Galveston, Tex.

315 Gulf and Ship Island RR.—Completed from Ripley, Miss., to New Albany, Miss., 20 miles. Under construction from New Albany to Total projected length, . miles.

1 W. H. Hardy.....	*President*.....	Ripley, Miss.
2 W. C. Faulkner....	*Vice-President*.	" "

☞ *See note of explanation on first page.*

Established 1856.

SHIPMAN & BOHLEN,

Mfrs. of

Fine Railway Varnishes.

Our Varnishes excel

in durability.

Newark, New Jersey.

315 Gulf and Ship Island RR.—*Continued.*

3 William Henry ...	*Secretary*.....	Ripley, Miss.
4	*Treasurer*.....	" "
5 L. D. Brown.....	*Chief Engineer*	Mobile, Ala.
6 J. Welsh.....	*Ass't Engineer.*	Meridian, Miss.
7	*Superintendent*	Ripley, Miss.

General office, Ripley, Miss.

316 Gulf, Western Texas and Pacific Ry.

See Southern Pacific Company.

317 Hancock and Calumet RR.—Hancock to Calumet, 14 miles; Junction to Lake Linden, 3 miles.

1 Henry S. Ives.....	*President*.....	New York, N.Y.
2 Christopher Meyer.	*Vice-President.*	" "
3 H. S. Ogden... ..	*Sec. and Treas.*	" "
4 C. A. Wright.....	*General Man* ..	Hancock, Mich.

General office, Hancock, Mich. Transfer Agency, 25 Nassau St., New York City.

318 Hannibal and St. Joseph RR.

See Chicago, Burlington and Quincy RR.

319 Hanover Branch RR.—North Abington to Hanover, 8 miles.

1 E. Y. Perry.....	*Pres. G. M. & S.*	S. Hanover, Mass.
2 Albert Culver.....	*Treasurer*.....	Rockland, Mass.
3 C. T. Phillips.....	*Clerk*.....	S. Hanover, Mass.
4 H. Maglathlin.....	*Chief Engineer*	Hanover, Mass.
5 E. A. Josselyn....	*Master Mech*...	" "
6 Jeremiah Griffen ..	*Road Master*...	S. Hanover, Mass.

General office, South Hanover, Mass.

320 Hanover Junction, Hanover and Gettysburg RR.

See Western Maryland RR.

321 Harrisburg and Potomac RR.—Bowmansdale to Shippensburg, 32 m.; branches, 6 miles.

1 Thomas W. Ahl....	*President*.....	BoilingSpr'gs, Pa.
2 Asbury Derland....	*Sec. & Treas* ..	" "
3 John E. Wootten..	*General Man*..	Philadelphia, Pa.
4 R. H. Middleton.. .	*Superintend't*..	BoilingSpr'gs, Pa.
5 H. K. Nichols.....	*Chief Engineer*	Philadelphia, Pa.
6 J. Lowrie Bell.....	*Gen. Traf. Mgr.*	" "
7 C. G. Hancock.....	*Gen. P. & T. Agt*	" "
8 William Wilson....	*Road Master*...	Bowmansdale, Pa.
9 L. D. Gutschall....	*Mast. Mech.*...	BoilingSpr'gs, Pa.

General office, Boiling Springs, Pa.

322 Hartford and Connecticut Valley RR.—Hartford to Fenwick, 46 miles.

1 George H. Watrous	*President*.. ..	New Haven, Ct.
2 Samuel Babcock..	*Vice-President*.	Middletown, Ct.
3 W. C. Brainard[2,3,4]	*S. T. & G. T. A.*	Hartford, Ct.
4 C. S. Davidson....	*Superintend't.*	" "
5 C. Rockwell.....	*Gen. Fgt. Agt*..	New Haven, Ct.
6 A. D. Chapin[7,8,*,†]	*As. G. F. Agt.*	Hartford, Ct.
7 G. D. Warren.....	*Supt. of Bridges*	" "
8 E. R. Loomis.....	*Road Master*..	" "
9 R. N. Dowd.....	*Purch. Agent*..	New Haven, Ct.
10 John Henney, Jr.	*Sup Mot. Pow.*	" "
11 O. C. Lackey.... .	*F. Mach. Shops*	Hartford, Ct.
12 J. A. Whittemore.	*For. Car Shops.*	" "

General office, Hartford, Conn.

323 Hartford and Connecticut Western RR.—Hartford to Rhinecliff, 108 miles.

1 William L Gilbert	*President*... ...	Hartford, Ct.
2 William H. Barnum	*V.-President*...	Lime Rock, Ct.
3 E. R. Beardsley[3,4]	*Sec. & Treas*...	Hartford, Ct.
4 E. McNeill[4].....	*S. & G. F. Agt.*	" "
5 Walter Pearce[3,7,8]	*Gen. Pass. Agt.*	" "
6 R. P. Martin.....	*Aud. of F. Acc.*	" "
7 A. J. Broughel....	*Mast. Mechanic*	" "
8 James Keenan....	*Road Master*...	W. Winsted, Ct
9 W. H. Merrill.....	*Div. R. Master.*	Rhinecliff, N. Y.
10 Chas. H. Keen....	*F. Repr. Shops.*	Hartford, Ct.

General office, Hartford, Conn.

324 Havana, Rantoul and Eastern RR.—West Lebanon to Le Roy, 76 miles.

325 Hecla and Torch Lake RR.—Hecla Mine to Torch Lake, 6 miles; branches, 1 mile.

1 Alexander Agassis.	*President*.....	Boston, Mass.
2 C. W. Seabury.. . .	*Treasurer*.. ...	" "
3 H. K. Cole.	*Secretary*.....	Calumet, Mich.
4 W. A. Childs.	*Gen. Manager*..	" "
5 L. S. Woodbury....	*Chief Eng*.....	" "

General office, Calumet, Mich. Transfer office, Boston, Mass.

326 Herkimer, Newport and Poland (N.G.) Ry.—Herkimer to Poland, 17 miles.

1 Edward M. Burns[5]..	*Pres. & Gen. M.*..	Middleville, N.Y.
2 Steph. R. Millington	*Vice-President*.	Poland, N. Y.
3 George H. Thomas[3]	*Treasurer*.....	Middleville, N.Y.
4 Thos. E. Merritt[1,2].	*Secretary*.....	Newport, N. Y.
5 Albert Wilber.....	*Sup. & C. Eng.*	Herkimer, N. Y.
6 Anson W. Phillips.	*Master of Mach*..	Middleville, N.Y.

General office, Newport, N. Y.

327 Hibernia Mine RR.—Rockaway to Hibernia Mine, 5 miles.

1 George Richards...	*Pres. & Gen. M.*	Dover, N. J.
2 J. Wesley Pullman.	*Sec. & Treas*...	Philadelphia, Pa.
3 George R. Miller...	*Gen. Supt*.....	Rockaway, N. J.

General office, Rockaway, N. J. Transfer office, Philadelphia, Pa.

328. Hobart and Manistee River RR.—Hobart to Manistee River, 9 miles.

1 John Canfield.....	*President*.....	Manistee, Mich.
2 E. D. Wheeler.....	*Sec. & Treas* ..	" "
3 H. W. Marsh.....	*Superintend't*..	Hobart, Mich.

General office, Manistee, Mich.

329 Hoosac Tunnel and Wilmington RR.—Hoosac Tunnel to Readsboro, 11 miles.

1 D. H. Newton.....	*President*.....	Holyoke, Mass.
2 Moses Newton.....	*Vice-President.*	" "
3 John C. Newton. ..	*Treas. & G. M.*	" "
4 Anson B. Cross....	*Secretary*.	Readsboro, Vt.

General office, Readsboro, Vt. Locomotive and Car Repair Shops at Readsboro, Vt.

330 Hopkins RR.—Projected from Burlington, Ia., to Golconda, Ill., 300 miles; graded between Gillespie and Scottsville, Ill., 30 miles, and 3 miles of track laid.

1 James Walker.	*President*.....	Scottsville, Ill.
2 W. C. Shirley.....	*Vice-President.*	Staunton, Ill.
3 L. C. Giesener.....	*Secretary*.....	Carlinville, Ill.
4 Milton McClure....	*Treasurer*....	" "
5 W. F. Garis.....	*Chief Eng*.....	" "
6 J. A. McClure, Jr...	*Transfer Agt*..	" "

General office, Carlinville, Ill.

331 Hot Springs RR.—Malvern to Hot Springs, 25 miles.

1 J. Reynolds.....	*Pres. & G. M.*.	Chicago, Ill.
2 J. Reynolds	*Sec. & Treas*..	" "
3 J. N. Conger[1]	*S. A. & G. F. & T. A*	Hot Springs, Ark.
4 M. N. Pierce[3,4].....	*Auditor*.....	" "
5 Leonard Finlay...	*Master Mech*...	Malvern, Ark.
6 George Worley.....	*Road Master*...	" "

332 Housatonic RR.—Bridgeport to State Line, Mass., 74.46 miles; branches, 51.96 miles.

1 William H. Barnum.	*President*.....	Lime Rock, Ct.
2 C. K. Averill[3,4].....	*Treas. & Sec*...	Bridgeport, Ct.
3 Henry A. Bishop...	*Superintend't*..	" "
4 W. H. Wilkinson...	*Div. Supt.* . .	Danbury, Ct.
5 H. D. Averill[3]	*Gen. Tkt Agt*..	Bridgeport, Ct.
6 H. C. Cogswell[7,8]..	*Gen. Fgt. Agt*..	" "
7 H. W. Watson.....	*Auditor*.....	" "

☞ *See note of explanation on first page.*

WILLIAM DAWSON, President.
THOMAS M. LOCKE, Treasurer.

RICHARD M. POPHAM, Secretary.
EDWARD J. FROST, General Manager.

THE RAILWAY LIGHTING & HEATING CO.,

119 SOUTH FOURTH ST.,

PHILADELPHIA, PA.

This system of lighting furnishes the most brilliant and uniform light at a cost of about one-eighth that of coal gas, and accomplishes thorough ventilation. No gas-works or fixed plant required. Full description will be furnished on application.

Railroad officers and others interested are invited to correspond with the company for further information, especially as to where and when cars lighted by this system and running in regular service can be seen.

The Railway Lighting and Heating Co.,

119 SOUTH FOURTH STREET,

PHILADELPHIA, PA.

332 Housatonic RR.—*Continued.*

8 Samuel Greer.. ..	*Road Master*..	Falls Village, Ct.
9 N. Slingland.....	*Master Mech*...	" "
10 W. H. White.....	*Train Master*..	Bridgeport, Ct.
11 W. F. Smith.....	*Div. Fgt. Agt*..	So. Norwalk, Ct.

(*a*) *Danbury and Norwalk Division.*—Danbury to Wilson Point, 27 miles; with branches, 10 miles.

1 F St. J. Lockwood	*President*.....	Norwalk, Ct.
2 Chas. H. Merritt...	*V.-P. & Aud*...	Danbury, Ct.
3 Harvey Williams...	*Sec. & Treas*...	" "
4 Henry A. Bishop..	*Gen. Supt*.. ...	Bridgeport, Ct.
5 Chas. M. Crawford.	*Superintend't*..	So. Norwalk, Ct.
6 Clark P. Lane.....	*Train Master*..	Bridgeport, Ct.

General office, Housatonic RR., Bridgeport, Ct.; Corporate office, Danbury and Norwalk RR., Danbury, Ct.

333 Houston Belt RR.—Around the city limits of Houston, Tex., 20 miles.

1 R. H. Harrison. ..	*President*	Columbus, Tex.
2 Jacob E. Fisher....	*Sec. & Treas* ..	Houston, Tex.

General office, Columbus, Tex.

334 Houston, East and West Texas Ry.—Houston to Logansport, 192 miles.

1 M. G. Howe.	*Receiver*.	Houston, Tex.
2 T. W. House[2 4 9 10]	*Pres. & Treas*..	" "
3 E. P. Hill.	*Vice-President*.	" "
4 Eugene Dargan[2]..	*Sec. & Auditor*.	" "
5 J. C. Matthews....	*Superintend't*..	" "
6 R. S. Collins.....	*G. F. & P. Agt*	" "
7 E. A. Campbell....	*Mast. Mech*.....	" "
8 C. Shelawa...	*Master Car B'r*	" "
9 J. C. Hill.	*T. D. & S. Te*.	" "
10 J. L. Walsh.....	*Road Master*...	" "
11 P. Gaul...	*Road Master*...	" "

(*a*) *Shreveport and Houston RR.*—Shreveport to Logansport, 40 miles.

1 E. L. Bremond.....	*President*	Shreveport, La.
2 M. G. Howe.....	*General Man*..	Houston, Tex.
3 R. S. Collins.....	*G. Ft. & P. A*..	" "

General offices, Houston, Tex.

335 Houston and Texas Central Ry.—Houston to Red River City, 345 miles; branches, 177 miles; and

336 Texas Central Ry.—Ross to Albany, 177 miles; North Eastern Division, 53 miles.

OFFICERS OF BOTH RAILROADS.

1 Nelson S. Easton and James Rintoul, of New York, N. Y., and Charles Dillingham, of New Orleans, La., *Joint Receivers* for Houston and Texas Central RR.

2 B. G. Clark, of Houston, Tex., and Charles Dillingham, of New York, N. Y., *Joint Receivers* for Texas Central Ry.

3 A. C. Hutchinson..	*President*	New Orleans, La.
4 H Hall[2 7 8]	*Sec. & Auditor*.	Houston, Tex.
5 E. W. Cave[2 4 9 10].	*Treasurer*	" "
6 W. Cameron.....	*Ass't Treas*....	" "
7 G. A. Quinlan.....	*E. & S. N. E. Br*.	Corsicana, Tex.
8 D. Allen.....	*En. & S. N W. Br*	Waco, Tex.
9 A. H. Swanson[5]...	*G. Transp. M*..	Houston, Tex.
10 A. Faulkner[6].	*G. P. & T. A*..	" "
11 L. A. Daffin.....	*Tr. M. N. Div*.	Corsicana, Tex.
12 Daniel Ripley. ...	*Gen. Fgt. Agt*..	" "
13 C. P. Huntington..	*G. Agt. for Co*.	New York, N. Y.
14 E. Hawley.....	*Gen. East. Agt*.	" "
15 L. H. Nutting.....	*East. Pas. Agt*.	" "
16 R. H. Hill	*So. Pas. Agt*...	Chattanooga, Ten
17 L. C. Noble.....	*Master Mech*...	Houston, Tex.
18 James McGee.....	*Mast. Car B'r*..	" "
19 R. M. Elgin.....	*Land Agent*....	" "
20 I. Cohen.....	*Supt. of Teleg*.	" "
21 E. R. Allen[11].....	*Car Accounta't*	" "

General office, Houston, Tex.

336 Houston and Texas Central Ry. System.—*Continued.*

(*a*) *Fort Worth and New Orleans RR.*—Fort Worth to Waxahachie, 41 miles.

1 C. Dillingham.....	*President*	Houston, Tex.....
2 A. H. Swanson....	*Vice-President*.	" "
3 E. W. Cave.....	*Sec. & Treas*...	" "

337 Humeston and Shenandoah RR.—Humeston to Shenandoah, 113 miles.

1 W. W. Baldwin....	*President*.. ...	Burlington, Ia.
2 James F. How.....	*Treasurer*.....	St. Louis, Mo.
3 J. H. Ells[2 4 9 10]...	*As. T. & Aud*.	Clarinda, Ia.
4 Erskine C. Murphy	*G. M. & Sec* ...	" "
5 H. S. Nelson[2].. ...	*G. F. & P. Agt*.	" "
6 J. S. Hazen..... ...	*Master Mech*...	Shenandoah, Ia.
7 David McGreevy...	*Road Master*...	Clarinda, Ia.
8 E. P. Griffin.... ...	*Train Master*..	" "
9 A. Harvey[7 8 11].....	*Car Account't*..	" "

General office, Clarinda, Ia.

338 Huntingdon and Broad Top Mountain RR.—Huntingdon to Mt. Dallas, 45 miles, with branches, 19 miles.

1 B. A. Knight.....	*President*.....	Philadelphia, Pa.
2 J. P. Donaldson[2]...	*Sec. & Treas*...	" "
3 G. F. Gage[1 2 3 4 6 7 8 9 11]	*Gen. Manager*..	Huntingdon, Pa.
4 John Fulton.....	*Consult. Engr*.	Johnstown, Pa.
5 William Barkla	*Master Mech*...	Saxton, Pa.
6 S. B. Knight.....	*P. M. & P. A*..	Philadelphia, Pa.
7 H. A. Lewis.....	*Road Master*...	Huntingdon, Pa.
8 E. C. Fritchey.....	*Supt. Bridges*..	" "

General office, Philadelphia, Pa.

339 Illinois Central System.—Main Line, Chicago to New Orleans, 912 miles; Centralia to Sioux City and Mona, 743 miles—total length of main line, branches, etc., 2,150 miles.

GENERAL OFFICERS.

1 James C. Clark...	*President*.....	Chicago, Ill.
2 Stuyvesant Fish...	*Vice-P. & Treas*.	New York, N. Y.
3 E. T. H. Gibson...	*Secretary*.....	" "
4 John Dunn.....	*Ass. to President*	Chicago, Ill.
5 E. T. Jeffery.. ...	*Gen. Manager*..	" "
6 M. C. Markham...	*Asst. to G. M*..	" "

LEGAL DEPARTMENT.

7 B. F. Ayer (I. & I. L.)	*Gen. Solicitor*.	Chicago, Ill.
8 Jas. Fentress (S L.)	*Gen. Solicitor*..	New Orleans, La.

ACCOUNTING DEPARTMENT.

9 J. C. Welling.....	*Gen. Auditor*..	Chicago, Ill.
10 F. Fairman.....	*Ft. Auditor*....	" "
11 A. D. Josiin.....	*Pass. Auditor*..	" "
12 E. M. Horton.....	*Car Account't*..	" "
13 J. F. Titus.....	*Trav. Auditor*.	" "
14 W. Q. Cole.....	*Asst. Trav. Au*.	Water Val., Miss.

TREASURY DEPARTMENT.

15 Henry DeWolf....	*Asst. Treas*....	Chicago, Ill.
16 B. Moe.....	*Paymaster*.....	" "
17 R. S. Charles.....	*Local Treasurer*	New Orleans, La.
18 John Watkins	*Asst. Pay Mast*.	" "

OPERATING DEPARTMENT.

19 C. A. Beck.....	*Gen. Supt*. ...	Chicago, Ill.
20 Henry Schlacks...	*Supt. Mach* ...	" "
21 Oran Ott...	*Purch. Agent*..	" "
22 T. J. Hudson.....	*Supt. Ill. & Io. L*.	" "
23 J. G. Mann.....	*Supt. Sou. L*...	New Orleans, La.

TRAFFIC DEPARTMENT.

24 A. H. Hansen.....	*Gen. Pass. Agt*..	Chicago, Ill.
25 Horace Tucker..	*Gen. Fgt. Agt* / *Ill. & Io. L*..	" "
26 W. E. Keepers..	*Asst. Fgt. Agt* / *Ill. & Io. L*..	" "
27 D. B. Morey....	*Gen. Fgt. Agt* / *So. Lines*	New Orleans, La.
28 J. W. Coleman...	*Ass't G. P. Agt*..	" "

☞ *See note of explanation on first page.*

MONARCH

PALACE CAR COMPANY,

INCORPORATED 1886.

GENERAL OFFICES:

No. 315 MADISON AVENUE, CORNER 42d STREET,

(Opposite Grand Central Depot.)

This Company has exclusive control of the patents embracing the novel design of combining in ONE car elegant REVOLVING CHAIRS for DAY USE and COMFORTABLE SPRING BEDS for night use. Also of the patents covering the construction of the well-known MONARCH PALACE OBSERVATION CAR "YMIR."

OFFICERS:

H. K. BAKER, President.....NEW YORK.
D. N. COATS, Vice-President..... "
C. J. GRAY, Treasurer..... "
G. LEVE, Superintendent..... "
W. F. RAY, Division Agent.....Springfield, Mass.
W. L. HEYSINGER, Division Agent.....Evansville, Ind.
E. L. MARMION, Division Agent.....New Orleans, La.
F. A. HANAFORD, Division Agent.....St. Augustine, Fla.

339 Illinois Central System—*Traffic Department.—Continued.*

29 Geo. W. Chellet..	*Ass't G.F.Agt.*.	New Orleans, La.
30 H. A. Winter.	*Gen. Bag. Agt.*	Chicago, Ill.
31 S. B. McConnico..	*General Agent.*	New Orleans, La.
32 Peter Daggy.....	*Land Comm'r*	Chicago, Ill.
33 A. Simpson.....	*Stationer*	" "
34 L. P. Morehouse..	*Tax Agent* . . .	" "
35 T. K. Edward.....	*Lumber Solic*..	" "
36 J. P. Roberts.....	*City Solic*.....	" "

DIVISION SUPERINTENDENTS.

37 A. W. Sullivan....	*Chic. Div*.....	Cairo, Ill.
38 J. W. Seymour....	*Asst. Chic. Div.*	" "
39 Jno. C. Jacobs....	*No. Div*.....	Amboy, Ill.
40 D. S. Bailey.....	*Asst. No. Div*	" "
41 Wm. Wilkinson...	*Springfield Div.*	Springfield, Ill.
42 H. L. Frisbie.....	*Middle Div*...	Pontiac, Ill.
43 G. H. Stearns. ..	*Champaign & Rantoul Divs*	Urbana, Wis.
44 M. Gilleas..	*Iowa Div*.....	Dubuque, Ia.
45 F. W. Quimby...	*Asst. Iowa Div.*	" "
46 Horace W. Clarke.	*Miss. Div*... ..	Jackson, Tenn.
47 J. M. Turner.....	*La. & Yazoo C.*	New Orleans, La.
48 J. B. Kemp.....	*C. A. & N. RR.*	Aberdeen, Miss.

49 W. Renshaw.. ...	*Master Mach*...	Chicago, Ill.
50 Wm. Harper.....	*Mast. Carpen'r*	" "
51 W. B. Snow.....	*Mast Car B*...	" "
52 A. G. French.....	*Supt. Bridges*..	" "
53 C. S. Jones.....	*Supt. Teleg*....	" "
54 George M. Dugan.	*Supt. Teleg*....	Jackson, Tenn.

55 *Train Masters.*—O. A. Berry, Chicago, Ill.; J. C. Brankey, Champaign, Ill.; G. W. Hatter, Cairo, Ill.; A. J. Poland, Amboy, Ill.; W. F. Jacobs, Amboy, Ill.; C. A. Holt, Clinton, Ill; C. K. Dixon, J. C. Westfall, Waterloo, Ia.; J. E. McNeil, Fort Dodge, Ia.; A. H. Ellington, Jackson, Tenn.; N. D. Wiggins, Water Valley, Miss.; W. H. Fitzpatrick, McComb, Miss.

56 *Road Masters.*—J. M. Healey, Champaign, Ill.; T. C. Spalding, Chicago, Ill.; F. R. Doty, Amboy, Ill.; J. Jacobs, Dubuque Ia.; John Butler, Pontiac, Ill.; J. H. McMillan, Jackson, Tenn.; R. J. Martin, Aberdeen, Miss.; J. J. Conway, New Orleans, La.

57 *Master Mechanics.*—J. B. Edams, Amboy, Ill.; Wm. Griffin, Clinton, Ill.; T. W. Place, Waterloo, Ia.; T. J. Price, Water Valley, Miss.; W. B. McKenna, McComb, Miss.

PASSENGER AND FREIGHT AGENTS.

58 J. J. Sproull	*Gen. Fgt. & P. A*	339 B'way, N.Y.
59 W. J. Jeffery.....	*Trav. Fgt. Agt.*	Chicago, Ill.
60 B. E. Nichols.....	*Trav. Fgt. Agt*	Kankakee, Ill.
61 W. R. Bascom .	*Trav. Fgt. Agt.*	Bloomington, Ill.
62 George M. Nix....	*Trav. Fgt. Agt.*	Dubuque, Ia.
63 J. T. Garner	*Trav. Fgt. Agt.*	Jackson, Miss.
64 Chas. Marshall....	*Local Fgt. Agt.*	New Orleans, La.
65 W. J. Young.....	*Com. Agent* ..	Chicago, Ill.
66 J. G. Morey.....	*Com. Agent*....	New Orleans, La.
67 John Bentley... ..	*Gen. Agent*....	St. Louis, Mo.
68 F. B. Bowes.....	*Gen. N.P. Agent*	Chicago, Ill.
69 J. F. Merry.....	*Gen. W. P. Agt.*	Manchester, Ia.
70 Wm. Murray.....	*Gen. S. P. A*...	New Orleans, La.
71 C. E. Russell.....	*Trav. Pass. Agt.*	Chicago, Ill.
72 F. D. Dorwin.....	*Trav. Pass. Agt*	" "
73 J. A. Wheeler.....	*Trav. Pass. Agt*	Manchester, Ia.
74 S. M. Miller.....	*Trav. Pass. Agt*	Buffalo, N. Y.
75 J. A. Sangston. ..	*So. Pass. Agt*..	Memphis, Tenn.

340 Illinois Midland Ry.

See Terre Haute and Peoria Railway.

341 Illinois and St. Louis RR.—Belleville to East St. Louis, 15 miles; branches, 10 miles.

1 Joseph W. Branch.	*President*.....	St. Louis, Mo.
2 T. McKissock	*Vice-President*.	" "
3 P. T. Burke[2 3 4]...	*Sec. Tre. & Au*..	" "
4 C. H. Sharman[5]...	*G. Sp. C. E. & R M*	" "
5 P. T. Burke[6 7 8 9 10 11]	*Fgt. & Pass. Agt*	" "
6 G. A. Koerner.....	*Gen. Solicitor*..	Belleville, Ill.
7 D. J. Timlin.....	*Master Mech*...	" "
8 C. Rothe.....	*Fm. Car Rprs*.	E. St. Louis, Ill.

General office, St. Louis, Mo.

342 Indianapolis, Decatur and Springfield RR.—Indianapolis to Decatur, 153 miles (now being reorganized under the name, Indianapolis, Quincy and Mississippi River RR.)

1 H. B. Hammond*..	*Recvr. & Pres*..	New York, N. Y.
2 Thos. B. Atkins....	*Sec. & Treas*...	" "
3 J. V. McNeal[2 7 8 *]	*Auditor*	Indianapolis, Ind.
4 G. W. Bender[3 11]..	*Superintendent*	" "
5 J. S. Lazarus.....	*Gen F & P. A.*	" "
6 C. B. McVay[3 *]...	*Cashier*.....	" "
7 J. McKenna.	*Mast. Mech*.....	" "
8 D. S. Durbin..... ..	*Cont. Agt*.....	" "

343 Indianapolis and Evansville RR.

See Evansville and Indianapolis RR.

344 Indianapolis and St. Louis Ry.

See "Bee Line."

345 Indianapolis and Vincennes RR.

See Pennsylvania System.

346 Indianapolis Union Ry.—Belt Railroad, 14 miles; Union Tracks, 1 mile; total length, 15 miles.

1 James McCrea....	*President*.....	Pittsburgh, O.
2 V. T. Mallot.....	*V.-Pres. & G.M.*	Indianapolis, Ind.
3 W. T. Ijams	*Auditor*.....	" "
4 W. N. Jackson....	*Sec. & Treas*...	" "
5 D. F. Whitcomb..	*Superintend't*..	" "
6 D. R. Donough..	*Gen. Tkt. Agt*..	" "
7 Jno. I. Ferguson	*Gen. Bagg. Agt*	" "
8 M. A. Zook..... ..	*Engineer*.....	" "
9 John Caffrey.....	*Master Mech*...	" "
10 J. B. Witty.....	*Road Master*...	" "

347 Indiana, Alabama and Texas Ry.—Clarksville to Newstead, 30 miles.

1 E. C. Gordon	*President*.. .	Clarksville, Tenn.
2 W. S. Gordon.....	*Vice-President*.	" "
3 W. T. Mulligan....	*Sec. & Treas*...	" "
4 C. W. Richardson..	*Chief Engineer*	" "

Locomotive and Car Repair Shops at Merritt Station, Ky.

348 Indiana, Bloomington and Western Ry.—Peoria to Springfield, 352 miles; Ohio Div., 190 miles. Total length, 542 miles.

1 C. E. Henderson..	*Receiver*	Indianapolis, Ind.
2 Austin Corbin	*President*.....	New York, N. Y.
3 Alfred Sully.....	*Vice-President*.	" "
4 J. D. Campbell ..	*Sec. & G. Coun.*	" "
5 F. W. Dunton.....	*Treasurer*.....	" "
6 W. W. Lynn.....	*Cashier*.....	Indianapolis, Ind.
7 I. H. Wilson.....	*Gen. Superint*..	" "
8 H. C. Diehl.....	*Gen. Fgt. Agt*..	" "
9 Ford Woods	*As. G. Fgt. Ag.*	" "
10 H. M. Bronson[6]...	*Gen. Tkt Agent*	" "
11 H. C. Norton.. ..	*Purch. Agent*..	" "
12 M. M. Defrees.....	*Eng. Br. & Bld*.	" "
13 John King.....	*Master Mech*. .	" "
14 C. B. Lockwood[2 7 8]	*Auditor*.....	" "
15 Charles Bruff.....	*Transfer Agt*..	New York, N. Y.
16 J. H. M. Claggett.	*Car Accountant*	Indianapolis, Ind.
17 J. S. Porter.....	*Div. Mast. Mech*	Sandusky, O.
18 C. W. Fairbanks..	*Gen. Solicitor*..	Indianapolis, Ind.
19 P. A. Marsh.....	*Train Master*	" "
20 J. M. Cummins ...	*Train Master*..	Springfield, O.
21 W. H. VanTassell.	*Div. Supt*.....	" "
22 John Sloan.....	*Road Master*...	Indianapolis, Ind.
23 P. Lynch.....	*Road Master*...	Urbana, Ill.
24 John Roberts.....	*Road Master*...	Columbus, O.
25 John Griffin.....	*Road Master*...	Forest, O.

(*a*) *Ohio Southern Ry.*—Springfield to Wellston, 118 miles; branches, 22 miles.

1 Alfred Sully	*President*.....	New York, N. Y.
2 Henry Graves.. ...	*V.-Pres. & Tr*..	" "
3 Wilberforce Sully..	*Secretary*.....	" "
4 C. E. Henderson. .	*Gen. Manager*..	Indianapolis, Ind.
5 H. M. Bronson[6]...	*Gen. Tkt. Agt.*	" "
6 D. H. Roche.....	*Gen. Fgt. Agt*..	Springfield, O.
7 W. H. Van Tassel .	*Superintend't*..	" "
8 W. W. Lynn[3 4 9 10].	*Cashier*.	Indianapolis, Ind.

☞ *See note of explanation on first page.*

SAM'L M. DODD, President.
JOHN B. GRAY, Vice-President.
E. B. LEIGH, Secy. and Treas.
GEO. H. POOR, Supt.

NEW YORK OFFICE,
160 BROADWAY.
JOHN B. GRAY, V.-P.

AMERICAN BRAKE COMPANY,

MANUFACTURERS OF

AUTOMATIC

FREIGHT CAR BRAKES

AND

Steam Driver & Tender Brakes,

General Office at Works: 2d & Tyler Sts.,

ST. LOUIS, MO.

☞ We offer to Railway Companies the only Exclusively Independent Self-Acting Freight Train Brake which has yet been adopted by any Railway in the World. Our Steam Driver and Tender Brake is acknowledged to be the Cheapest, Simplest and Best Power Brake now in use. Is now used by nearly ***200*** different Railroads.

348 Indiana, Bloomington and Western Ry.—*Ohio Southern Ry.—Continued.*

9 H. C. Norton	*Purch. Agent*	Indianapolis, Ind.
10 M. M. Defrees	*Eng. Br. & Bld.*	" "
11 John King	*Master Mech.*	" "
12 W. Sully	*Transfer Agt.*	New York, N.Y.
13 C. W. Fairbanks	*Gen. Solicitor*	Indianapolis, Ind.
14 C. B. Lockwood[2,7,8]	*Auditor*	" "
15 J. H. M. Claggett	*Car Account't.*	" "
16 P. Burns	*Road Master*	Springfield, O.

General office (O. S. Ry.), Indianapolis, Ind. Transfer office, 115 Broadway, New York, N. Y.

General office (I., B. & W. Ry.), Indianapolis, Ind. Transfer office, 115 Broadway, New York, N. Y.

349 Indiana, Illinois, and Iowa RR.—Knox to Streator, 120 miles.

1 F. M. Drake	*President*	Centerville, Ia.
2 Geo. H. Holt	*Vice-President*	New York, N. Y.
3 E. Fletcher[4,6,8,9]	*Sec. & Treas.*	Kankakee, Ill.
4 G. D. L'Huillier	*Asst. Secretary*	New York, N. Y.
5 T. P. Shonts[6]	*Gen. Manager*	Kankakee, Ill.
6 J. H. Palmer	*Gen. F. & P. Agt.*	" "
7 R. D. Gregg	*C. E. & R. M.*	" "
8 J. D. Ackley	*Master Mech.*	" "
9 I. W. adams[2,3,11]	*Superintend't.*	" "
10 Frank Stanley	*Sup. Bridges*	" "
11 John J. Holley	*Trans. Agent*	New York, N. Y.
12 J. C. McCune	*Auditor*	Kankakee, Ill.

General office, Kankakee, Ill. Transfer office, 26 Beaver St., New York, N. Y.

350 Indiana and Illinois Southern and Bloomfield Rys.—Switz City to Effingham, 86 miles.

1 W. H. Alley	*President*	Sullivan, Ind.
2 J. B. Lyon	*Vice-President*	Chicago, Ill.
3 P. H. Blue	*Gen. Manager*	Sullivan, Ind.
4 M. B. Wilson	*Treasurer*	" "
5 O. R. Hinkle	*Auditor*	" "
6 F. E. Boeler	*G. Fgt. & P. Agt*	" "
7 Charles Seymour	*Chief Engineer*	Palestine, Ill.
8 W. B. Bernard	*Master Mech.*	" "
9 J. Lehman	*Road Master*	Sullivan, Ind.
10 John S. Cooper	*Gen. Solicitor*	Chicago, Ill.
11 W. R. Bottenfield	*Train Dispr.*	Sullivan, Ind.

General office, Robinson, Ill.

351 Ingalls, White Rapids and Northern RR.

1 John Bagley	*President*	Menominee, Mich.
2 Benj. J. Brown	*Sec. & Treas.*	" "

352 Intercolonial Ry.

See Canadian Government Railways.

353 International Ry.—Lennoxville to Lake Megantic, 67 miles; branch, 15 miles.

1 W. C. Van Horne	*President*	Montreal, Que.
2 T. G. Shaughnessy	*Vice-President*	" "
3 A. F. Simpson	*Treasurer*	Sherbrooke, Que.
4 J. Davidson	*Secretary*	Montreal, Que.
5 D. E. McFee	*G Sp & Purch. A*	" "
6 A. F. Hilton	*Chief Eng.*	Agnes, Que.
7 W. E. Smith	*Road Master*	Robinson, Que.
8 H. Ansell	*Master Mech.*	Sherbrooke, Que.
9 H. Martin	*Supt Bridges*	" "
10 A. Law	*Trans. Agent*	Lennoxville, Que.

General office, Sherbrooke, Que. Transfer office, Lennoxville, Que.

354 International and Great Northern RR.

See Missouri Pacific System.

355 Iowa Northern Ry.—Colfax to Valeria, 6 miles.

1 F. H. Griggs[7,8,9,10]	*President*	Davenport, Ia.
2 D. Ryan	*Vice-President*	Newton, Ia.
3 George A. Goodrich[1]	*Secretary*	Colfax, Ia.
4 J. S. Wiley	*Treasurer*	Davenport, Ia.
5 D. S. Couch[2,3,4,5,11]	*Gen. Supt.*	Colfax, Ia.

General office, Colfax, Ia.

356 Iron Railway.—Ironton to Centre, 18 miles, branches, 7 miles.

1 E. E. Floyd	*President*	New York, N. Y.
2 John A. Folsom	*Sec. & Treas.*	Boston, Mass.
3 C. C. Clarke	*G. M. Purch. A.*	Ironton, O.
4 George Myers	*Master Mech.*	" "
5 B. S. Garvey	*Auditor*	" "

General office, Ironton, O.

357 Irondale, Bancroft and Ottawa Ry.—Irondale to Kinmount, Ont., 10 miles.

1 Henry S. Howland	*President*	Irondale, Ont.
2 Charles J. Pusey	*V-P. & Gen Man*	" "
3 Thomas Shortiss	*Secretary*	Toronto, Ont.
4 P. Howland	*Treasurer*	" "
5 Chas. Hutchinson	*Chief Engineer*	Irondale, Ont.

General office, Irondale, Ont.

358 Ironton Railroad.—Coplay to Ironton and Orefield, 9 miles.

1 Samuel Thomas	*President*	Catasauqua, Pa.
2 J. T. Knight	*Treas. & Sec.*	Easton, Pa.
3 William Andrews	*Superintend 't.*	Ironton, Pa.

General office, Easton, Pa.

359 Jacksonville South-Eastern Ry.—Jacksonville to Centralia, 112 miles; Pekin to Jacksonville, 73 miles; Havana to Springfield, 47 miles; Columbiana to Litchfield, 58 miles. Total, 290 miles.

1 W. S. Hook[3,4]	*President*	Jacksonville, Ill.
2 A. E. Ayers	*Vice-President*	" "
3 M. P. Ayers[9,10]	*Sec. & Treas.*	" "
4 E. S. Greenleaf[1,2,7,8,11]	*Gen. Supt., etc.*	" "
5 Ira F. Petrie	*Master Mech.*	" "
6 George H. Dunavon	*Road Master*	" "
7 Isaac L. Morrison	*Gen. Solicitor*	" "

360 Jacksonville, Tampa and Key West Ry.—Jacksonville to Sanford, 125 miles; Sanford to Tavares, 30 miles; Enterprise Junction to Titusville, 41 miles; De Land Junction to De Land, 4 miles; De Land Junction to St. John River (narrow gauge), 2 miles; So. Jacksonville to St. Augustine, 36—total, 238 miles.

1 Robt. H. Coleman	*President*	Cornwall, Pa.
2 Mason Young	*Vice-President*	New York, N. Y.
3 C. C. Deming	*Sec. & Treas.*	" "
4 L. C. Deming[1,9]	*A. S. & G. T. A.*	Jacksonville, Fla.
5 E. B. Powell[2,3,4,9,10]	*Auditor*	" "
6 G. W. Bentley	*Gen. Manager*	" "
7 M. R. Moran[1,8]	*G. S. & G. P. A.*	" "
8 L. E. Barker[7,9,11]	*Gen. Ft. Agt.*	" "
9 Alfred B. Mason	*Land C. & G. C.*	" "
10 W. S. Sneden	*Chief Engineer*	" "
11 F. B. Halibut	*Master Carp.*	" "
12 Daniel McCarthy	*Road Master*	" "
13 J. H. Burnett	*Master Mech.*	" "
14 L. E. Spencer	*Car Account't.*	" "
15 W. A. Smith	*Supt. Steamb'ts*	" "

General office, Jacksonville, Fla. New York office, 10 Wall St. Repair shops at Palatka, Fla.

361 Jacksonville and Atlantic Ry.—Jacksonville to Pablo Beach, 17 miles.

1 J. M. Schumacher	*President*	Jacksonville, Fla.
2 S. B. Hubbard	*Vice-President*	" "
3 J. M. Barrs	*Secretary*	" "
4 H. S. Ely	*Treasurer*	" "
5 Julius Hayden	*Superintend't.*	" "
6 J. E. Hart	*Auditor*	" "
7 E. L. Wentze	*Ch'f Engineer*	" "

362 Jamesville and Washington RR.—Jamesville to Washington, 22 miles.

1 E. A. Gaskill	*President*	Philadelphia, Pa.
2 William Bissell	*Gen. Manager*	Jamesville, N. C.
3 H. T. Fenton	*Secretary*	Philadelphia, Pa.
4 James Work	*Treasurer*	" "
5 J. E. Lawrence	*A. & G. F. & P. A*	Jamesville, N. C.

General office, 420 Walnut St., Philadelphia, Pa.

363 Joliet, Aurora and Northern Ry.—Completed from Joliet to Aurora, 21 miles.

1 P. B. Shumway	*President*	Chicago, Ill.
2 F. D. Raymond	*V.-P. & Treas.*	" "

☞ *See note of explanation on first page.*

LARGE TIMBER DRESSING MACHINE.

"LIGHTNING" FLOORING MACHINE.

W. H. DOANE, President. D. L. LYON, Secretary.

J. A. FAY & CO.,

CINCINNATI, OHIO, U. S. A.,

Designers and Manufacturers of

Patent Wood-Working Machinery

FOR

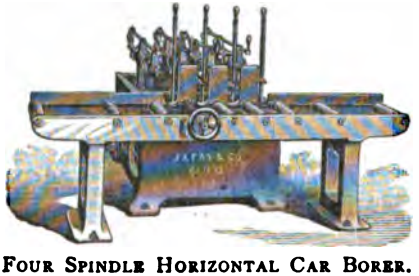
CAR,

RAILROAD

AND

BRIDGE

SHOPS.



FOUR SPINDLE HORIZONTAL CAR BORER.

FOR

GOVERNMENT

ARSENALS,

NAVY YARDS,

Etc., Etc.

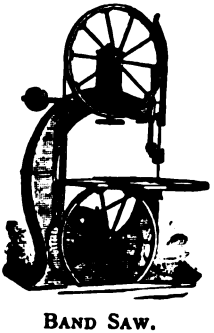
Complete Equipments Furnished

AND

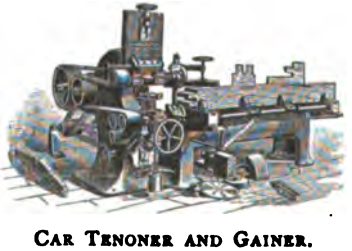
EVERY TOOL WARRANTED.

ESTIMATES FURNISHED.

SEND FOR CATALOGUE.



BAND SAW.



CAR TENONER AND GAINER.

CAR MORTISER.

363 Joliet, Aurora and Northern Ry.—*Continued.*

3 A. D. Wheeler.	*Secretary*.....	Chicago, Ill.
4 W. C. Cowgill	*G. F. & P. A.*..	" "
5 F. W. Sutton.....	*Auditor*	" "
6 H. L. Evans.	*Superintend't*..	" "

General office, 511 Royal Insurance Bldg., Chicago, Ill.

364 Junction RR.

See Pennsylvania System.

365 Kaaterskill RR.

See Ulster and Delaware RR.

366 Kanawha and Coal River RR.—Kanawha River to Black Band Iron & Coal Co.'s Mines, 14 miles.

1 E. M. Farnsworth..	*President*.....	Boston, Mass.
2 E.M Farnsworth,Jr	*Treasurer*.....	" "
3 C. M. Baker.....	*Secretary*.....	" "
4 A. M. Wooldredge	*Supt & G. F. A.*	SpringHill,W.Va

General office, Spring Hill, W.Va.

367 Kanawha and Ohio Ry.—Corning, O., to Charleston, W. Va., 127 miles.

1 Erwin Davis.....	*President*.....	New York, N. Y.
2 Nelson Robinson...	*Vice President.*	" "
3 E. R. Leland.	*Sec. & Treas*...	" "
4 Thomas R. Sharp..	*Gen. Manager.*	Charleston,W.Va
5 William Bonner....	*Auditor*	" "
6 G. J. Ermlich.....	*Gen.P.& F.A.*..	" "

General office, Charleston, W. Va.

368 Kansas City Belt Ry.

1 George H.Nettleton	*President*.. . .	Kansas City, Mo.
2 C. W. Smith..... .	*Vice-President.*	Topeka, Kan.
3 W. J. Ferry...	*Secretary*.	Kansas City, Mo.
4 E. Wilder.....	*Treasurer*	Topeka, Kan.
5 C. C. Ripley.....	*Auditor*	Kansas City, Mo.
6 W. B. Knight.....	*Chief Engineer.*	" "
7 D. K. Smith.....	*Superintend't*..	" "

General office, Kansas City, Mo.

369 Kansas City, Clinton and Springfield Ry.

See Kansas City, Fort Scott and Gulf RR. Co.

370 Kansas City, Fort Scott and Gulf RR. Co.—Comprising the roads named below.

GENERAL OPERATING OFFICERS.

1 GeorgeH Nettleton	*Gen. Manager*..	Kansas City, Mo.
2 W. W. Fagan[7 9 11]	*Superintend't*..	" "
3 M. L. Sargent.....	*Gen. Fgt. Agt*...	" "
4 J. E. Lockwood...	*Gen.P. & T.A*..	" "
5 B. L. Winchell....	*A.G.P.& T.A*..	" "
6 J. V. Parker..... ..	*Ast.G. F. A*....	" "
7 S. M. Hibbard	*Gen. Bag. Agt.*	" "
8 J. S. Ford[2].	*Comptroller*....	" "
9 J. H. Aldrich[3 4 9 10]	*Cash. & Paym.*	" "
10 H. P. Jaques.....	*Purch. Agt*....	" "
11 H. C. Sprague... .	*Supt. Teleg*....	" "
12 J. S. McCrum.....	*Mast. Mechanic*	" "
13 James Blessett.....	*For. of Shops*..	" "
14 A. N. Montier	*Mast. Car B'r*..	" "
15 H. J. Hall.....	*For. Car P'nt*..	" "
16 L. K. Spafford....	*G. Road Mast*..	" "
17 H. H. Moies.....	*No. Pass. Agt*..	Cedar Rapids, Ia.
18 A. R. Newton.....	*N.W.Pass.Agt.*	Kansas City, Mo.
19 Chas. Jones	*So. Pass. Agent*	Memphis, Tenn.
20 C. O. Johnson.....	*Div. Fgt. Agt*..	" "
21 Norman C. Jones..	*G.A.,F.& P.D.*	New Orleans, La.
22 A. J. Vanland-ingham.....	*G. S. W. F.Agt.*	Springfield, Mo.

CORPORATE AND DIVISION OFFICERS.

(*a*) *Kansas City, Fort Scott and Gulf RR.*—Kansas City to Springfield, 202 miles; branches, 180 miles.

1 H. H. Hunnewell...	*President*.....	Boston, Mass.
2 Charles Merriam...	*Sec. & Treas*...	" "
3 C. W. Courtright...	*Gen. Auditor*..	" "
4 E. J. Perry.....	*Div. Supt*.....	Kansas City, Mo.

370 Kansas City, Fort Scott and Gulf RR. Co.—CORPORATE AND DIVISION OFFICERS.—*Continued.*

5 S. W. Clapp.....	*Chief Eng*....	Ft. Scott, Kan.
6 H. K. Bates.....	*For. L. & C. E.*	" "
7 M. Lyons.....	*Div. Road M*...	" "
8 J. Lyons	*Div. Road M*...	Joplin, Mo.
9 C. P. Philbrick....	*Div. Road M*...	Ft. Scott, Kan.
10 W. R. Wood.....	*Div. Road M*...	Cherokee, Kan.
11 H. W. Diggins...	*Div. Supt*... ..	Springfield, Mo.
12 P. T. Butterly.....	*For. L. & C. E.*	" "

(*b*) *Kansas City, Clinton and Springfield Ry.*—Cedar Junction to Ash Grove, 168 miles; branches, 9 miles.

1 George H.Nettleton	*President*.....	Kansas City, Mo.
2 Charles Merriam...	*Treasurer*	Boston, Mass.
3 J. S. Ford.....	*Secretary*.	Kansas City, Mo.
4 E. J. Perry..	*Div. Supt*	" "
5 S. W. Clapp.....	*Chief Engineer.*	Ft. Scott, Kan.
6 Chas. Cain.....	*Div. Road M*...	Olathe, Kan.
7 W. A. Ferguson....	*Div. Road M*...	Ash Grove, Mo.

General office, Kansas City, Mo.

(*c*) *Kansas City, Springfield and Memphis RR.*—Springfield to Memphis, 282 miles.

1 George H.Nettleton	*President*	Kansas City, Mo.
2 Charles Merriam...	*Treasurer*	Boston, Mass.
3 J. S. Ford.	*Secretary*.	Kansas City, Mo.
4 John H. Sullivan...	*Div. Supt*.....	Memphis, Tenn.
5 G. H. Nettleton ...	*Chief Engin'r*..	Kansas City, Mo.
6 G. W. Horton.....	*Asst. Chief En.*	Springfield, Mo.
7 M. Lynch.....	*For.L.& Car R.*	Thayer, Mo.
8 J. E. Beck...	*Asst. G. R. M.*.	Jonesboro', Ark.
9 H. A. Cook	*Div. Road M*...	Springfield, Mo.

General office (K. C., S. & M. Ry), Boston, Mass.

General office (K. C., Ft. S. & G. Ry.), Kansas City, Mo. Financial office and Transfer Agency, 26 Sears' Building, Boston, Mass.

371 Kansas City, Memphis and Birmingham RR.—(See "Poor's Manual.")

1 G H. Nettleton...	*Pres. & G. M.*..	Boston, Mass.
2 Chas. Merriam....	*Treasurer*	" "
3 J. S. Ford.....	*Sec. & Compt*..	Kansas City, Mo.
4 Wallace Pratt.....	*Gen. Attorney*..	" "
5 R. H. Elliott... ..	*Chief Engineer.*	Birmingham,Ala.
6 A. W. Gloster.....	*Prin.Asst.Eng.*	Tupelo, Miss.
7 John S. Foster....	*Ass't Engineer.*	Tuscaloosa, Ala.
8 Frank J. Aid.....	*Ass't. Engineer*	Columbus, O.
9 T. S. Newcomb.. ,	*Ass't. Engineer*	" "
10 J. C. Turner.....	*Ass't. Engineer*	" "
11 John H. Sullivan..	*Sup. of Trans*..	Memphis, Tenn.
12 M. L. Sargent.....	*Gen. Ft. Agent.*	Kansas City, Mo.
13 J. E. Lockwood...	*Gen.P.& F.Ag.*	" "
14 H. P. Jaques.....	*Purch. Agent*..	" "

General office, Kansas City, Mo.

372 Kansas City, St. Joseph and Council Bluffs RR.

See Chicago, Burlington and Quincy RR.

373 Kansas City and Southern RR.—Osceola to East Lynne, 67 miles.

1 William Bailey.....	*Pres. & G. M.*..	St. Louis, Mo.
2 DeW. C. Blair.....	*Secretary*. . . .	" "
3 John O'Grady.....	*Gen. Sol. & A.S.*	" "
4 F. M. Green..	*As.G.M.&P.A.*	Clinton, Mo.
5 H. W. Salmon.....	*Treasurer*. ...	" "
6 W. B. Kane.....	*G. F. & P. A.*..	" "
7 David Stillinger....	*Superintend't*..	" "
8 O. H. McKinney....	*Mast. Mechanic*	" "
9 W. P. Johnson.....	*Car Inspector*..	" "

General office, Kansas City, Mo.

374 Kansas City, Springfield and Memphis RR.

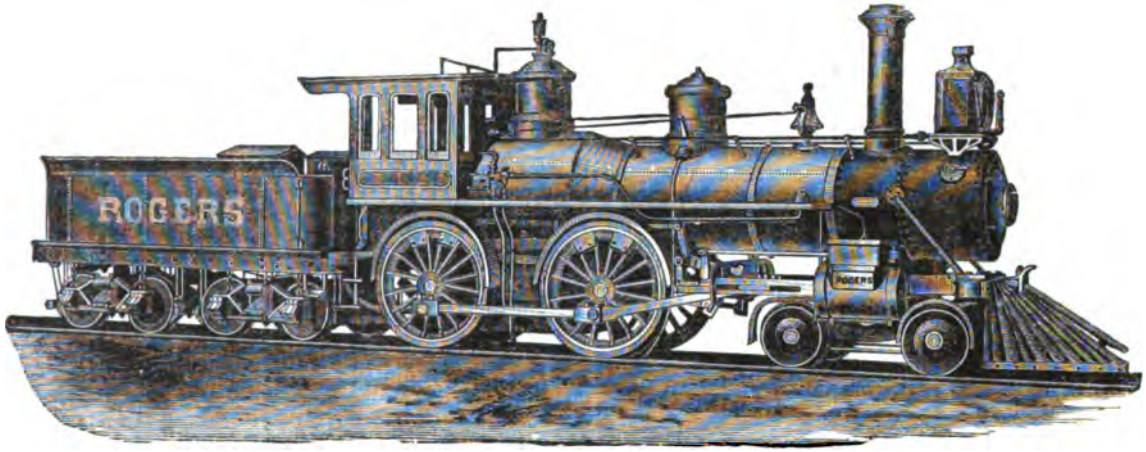
See Kansas City, Fort Scott and Gulf RR. Co.

375 Kansas City, Wyandotte and Northwestern RR.—Projected from Kansas City north and northwest to Dakota, 150 miles. Construction now in progress on eastern end, and 30 miles of track laid.

1 W. D. Bethell.....	*President*.	Memphis, Tenn.
2 K. B. Armour	*1st Vice-Pres*...	Kansas City, Mo.

☞ *See note of explanation on first page.*

The Rogers Locomotive and Machine Works,



OF PATERSON, N. J. - - - New York Office, 44 EXCHANGE PLACE.

Manufacturers of

LOCOMOTIVE ENGINES AND TENDERS,

And other Railroad Machinery:

J. S. ROGERS, Pres't, }
R. S. HUGHES, Sec'y, } Paterson, N. J.

ROBT. S. HUGHES, Treas.,
44 Exchange Place, New York.

375 Kansas City, Wyandotte and Northwestern RR.—*Continued.*

3 Newman Erb	*2d Vice-Pres.*	Memphis, Tenn.
4 W. J. Ferry	*Secretary*	Kansas City, Mo.
5 Samuel W. Clapp	*Chief Eng.*	Wyandotte, Kan.
6 E. Summerfield	*Supt., Au. & Tr.*	" "

This road is being built by a corporation known as the Northwestern Construction Company, having the following officers: W. P. Dunavant, President, Martin Kelly, Vice-President; M S. Buckingham, Treasurer, Memphis, Tenn.; Jacob Erb, Secretary, Little Rock, Ark.; E. Summerfield, Supt.

376 Kansas and Gulf Short Line RR.—Tyler to Lufkin, 89 miles.

1 W. S. Herndon	*President*	Tyler, Tex.
2 Hugh Stevenson	*Vice-President*	New York, N. Y.
3 T. R. Bonner	*Treasurer*	Tyler, Tex.
4 B. B. Cain	*Secretary*	" "
5 James G. Garrison	*Receiver*	Tyler, Tex.
6 W. S. Herndon	*Agt. for Rec.*	" "
7 B. B. Cain	*Paymaster*	" "
8 E. M. Goss	*Gen. F. & P. A.*	" "
9 E. H. Wells	*Chief Engineer*	" "
10 S. P. Broughton	*Auditor*	" "
11 T. W. Clawson	*Gen. Supt.*	" "
12 V. K. Stevenson[6]	*Financial Agt.*	New York, N. Y.
13 W. R. Herndon	*Road Master*	Tyler, Tex.
14 J. J. Baglish	*Master Mech.*	" "

382 Keystone Coal Company's RR.—*Continued.*

So. 3d St., Philadelphia, Pa. Locomotive and Car Repair Shops at Meyersdale, Pa.

383 Kingman, Pratt and Western RR.—Kingman to Cullison, 44.46 miles.

1 E. W. Kinsley	*President*	Boston, Mass.
2 T. C. Wales	*S., Tr. & Aud.*	Wichita, Kan.
3 D. H. Rhodes	*Chief Engineer*	" "

384 Kingston and Pembroke Ry.—Kingston to Renfrew, 103 miles; branches, 7 miles.

1 C. F. Gildersleeve	*President*	Kingston, Ont.
2 J. D. Flower	*Vice-President*	New York, N. Y.
3 T. W. Nash	*Treas. & Sec.*	Kingston, Ont.
4 B. W. Folger	*Gen. M. & Sup*	" "
5 J. H. Taylor[6]	*Asst. S., T. M.*	" "
6 J. Swift	*Gen. F. & P. A.*	" "
7 F. Conway [1 6 7 11]	*Gen. Tick. Agt.*	" "
8 F. Clark	*Ma. Machinery*	" "
9 T. W. Nash	*Chief Engineer*	" "
10 W. Erwin	*Road Master*	" "
11 T. W. Nash	*Supt. Bridges*	" "
12 J. C. Clark	*Auditor*	" "
13 H. C. Voyt	*Auditor*	" "

General office, Kingston, Ont. Repair Shops at Kingston, Ont

385 Knox and Lincoln RR.—Bath to Rock-

5 M. L. Lum	*Chief Engineer*	Richmond, Va.
6 Charles H. Petry	*Road Master*	Mt. Sterling, Ky.
7 W. W. Layman	*Mas. Mechanic*	" "

General office, Mt. Sterling, Ky.

381 Kentucky Union RR.

1 F. D. Carley	*President*	Louisville, Ky.
2 St. John Boyle	*Vice-President*	" "
3 C. T. Collings	*Sec. & Treas.*	" "
4 C. B. Lowry	*Superintendent*	Clay City, Ky.
5 W. A. Gunn	*Chief Engineer*	Lexington, Ky.

General office, Louisville, Ky.

382 Keystone Coal Company's RR.—Junction (P. & Conn. RR.) to Keystone Mines, 5 miles.

1 Henry A. Stiles	*President*	Philadelphia, Pa.
2 F. H. Williams[3]	*Sec. & Treas.*	" "

General office, Meyersdale, Pa. Transfer office, 209

2 G. H. Lewars	*Sec. & Treas.*	" "
3 C. H. Palmer[6]	*Gen. Supt.*	Delaware Mine, M.

General office, 308 Walnut Street, Philadelphia, Pa.

390 Lake Champlain and Moriah RR.—Port Henry to Mineville, 8 miles.

1 George R. Sherman	*President*	Port Henry, N.Y.
2 Albert Tower	*Treasurer*	Poughkeepsie N Y
3 Frank S. Witherbee	*Secretary*	Port Henry, N.Y.
4 E. B. Hedding	*Superintend't.*	" "

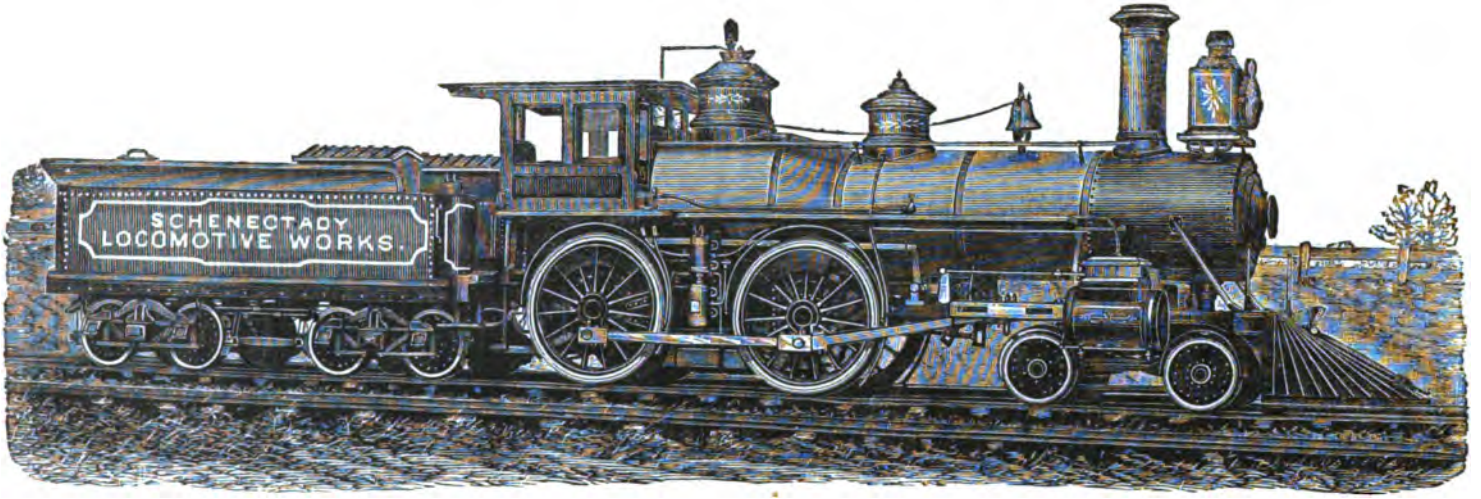
General office, Port Henry, N. Y. Agency, Poughkeepsie, N. Y.

391 Lake County (Forest) RR.—Elk to Forest Terminal, 12 miles.

1 Thomas R. Lyon	*Gen. Manager*	Ludington, Mich.
2 M. A. Neilan	*Superintend't.*	" "
3 Chas. Wallenger	*Chief Engineer*	" "

Locomotive and Car Repair Shops at Elk, Mich.

☞ *See note of explanation on first page.*



THE SCHENECTADY LOCOMOTIVE WORKS,

SCHENECTADY, N. Y.

LOCOMOTIVE ENGINES

FOR BROAD OR NARROW GAUGE RAILROADS.

CHARLES G. ELLIS, President.
WALTER McQUEEN, Vice-President.

EDWARD ELLIS, Treasurer.
A. J. PITKIN, Superintendent.

392 Lake Erie, Alliance and Southern R.R.—Bergholz to Phalanx, 61 miles. (Reorganization of Cleveland, Youngstown and Pittsburg RR.)

1 A. L. Griffin	*President*	Alliance, O.
2 S. J. Williams	*Vice-President*	" "
3 G. A. Hunt	*Secretary*	New York, N. Y.
4 T. T. Buckley	*Treasurer*	" "
5 E. E. Scranton	*Superintend't.*	Alliance, O.

General office, Alliance, O.

393 Lake Erie and Western Ry.—Sandusky to Peoria, 430 miles; Indianapolis to Michigan City, 162—total, 592 miles.

1 C. R. Cummings	*President*	Chicago, Ill.
2 Calvin S. Brice	*Vice-President*	New York, N. Y.
3 L. M. Schwan	*Sec. & Treas.*	" "
4 W. A. Wildhach[2,7,11]	*Auditor*	Bloomington, Ill.
5 A. D. Thomas[3,4,9,10]	*Ass't Treasurer*	" "
6 Geo. L. Bradbury	*Gen. Manager*	" "
7 D. S. Hill	*General Supt.*	" "
8 G. W. Smith[6]	*Gen. Pass. Agt.*	" "
9 W. S. Weed	*Gen. Fgt. Agt.*	" "
10 J. L. Hagadorn	*Superv. B. & B.*	Muncie, Ind.
11 J. P. Gaddis	*Trav. Auditor*	Bloomington, Ill.
12 T. H. Perry	*C. Eng. & P. A.*	" "
13 W. F. Goltra	*Asst. Chief Eng*	" "
14 W. E. Hackedorn	*Gen. Attorney*	Lima, O.
15 H. L. Cooper	*Sup. Equipm.*	" "
16 J. H. Klein	*Train Master*	" "
17 W. G. Brimson	*Train Master*	Lafayette, Ind.
18 W. P. Jenkins	*Trav Fgt Agt.*	Muncie, Ind.
19 Jno. Bastable	*Travelling Agt*	Lima, O.
20 A. A. Jack	*Travelling Agt*	Buffalo, N. Y.
21 W. W. Wentz, Sr.	*Road Master*	Lafayette, Ind.
22 F. X. Galarneau	*Road Master*	Lima, O.
23 Thomas Loser	*Forman M.D.*	" "
24 T. Greenland	*Forman C. D.*	" "
25 R. J. Cull	*For. of Reps.*	Sandusky, O.
26 E. J. Kelley	*For. of Reps.*	Muncie, Ind.
27 L. Brooksmith	*For. of Reps.*	Lafayette, Ind.
28 W. H. Fultz	*For. of Reps.*	Bloomington, Ill.
29 H. A. Dumbaugh	*Mast. C. Paint.*	Lima, O.

This company acquired by purchase the properties of the Indianapolis, Peru & Chicago Ry., and the Michigan City & Indianapolis and Chicago, Cincinnati & Louisville RRs., comprising the line from Indianapolis, Ind., to Michigan City, Ind., now operating it as the

Indianapolis and Michigan City Division, with the following division officers:

30 S. B. Sweet	*Fgt. & Pas. Agt.*	Peru, Ind.
31 C. E. Doyle	*Tr. M. & Su. T'el.*	" "
32 John Hewitt	*Master Mech.*	" "
33 Florence Sullivan	*Road Master*	" "
34 Thos. J. Kinder	*For. Br. & Bu.*	" "

General office, Bloomington, Ill.

394 Lake George and Muskegon River RR.—Bailey Station to Winterfield, 20 miles.

This is a private logging railroad, owned by C. H. Hackley & Co., of Muskegon, Mich.

395 Lake Shore and Michigan Southern Ry.—Buffalo to Chicago, 540 miles; branches, 800 miles; total length, 1,340 miles.

1 Wm. K. Vanderbilt	*Chairman*	New York, N. Y.
2 John Newell	*President*	Cleveland, O.
3 Addison Hills	*Asst. to Pres.*	" "
4 E. D. Worcester	*V.-P., Sec. & T.*	New York, N. Y.
5 Dwight W. Pardee	*Ass't Treas.*	" "
6 N. Bartlett[3,4,9,10]	*L. Tre. & A. Sec.*	Cleveland, O.
7 Edward Gallup	*Asst. Gen. Man.*	" "
8 P. P. Wright	*Gen. Supt.*	" "
9 J. T. R. McKay	*Gen. Fgt. Agt.*	" "
10 A. J. Smith	*Gen. P. & T. Agt*	" "
11 E. C. Luce	*A. G. P. & T. A.*	" "
12 John G. James	*Asst. G. Fgt. A.*	" "
13 M. S. Chase	*Asst. G. Fgt. A*	Chicago, Ill.
14 C. P. Leland[2,7,8]	*Auditor*	Cleveland, O.
15 L. H. Clarke	*Chief Eng*	" "
16 G. R. Hardy	*Ass't Chief Eng*	" "
17 Geo. C. Greene	*Gen. Counsel*	Buffalo, N. Y.
18 O. G. Getzen-Danner	*Asst. Gen. Cou.*	Cleveland, O.

395 Lake Shore and Michigan Southern Ry.—*Continued.*

19 R. H. Hill	*Chf. C. F. Ac.*	Cleveland, O.
20 W. F. Parsons	*Chf. C. P. Ac.*	" "
21 J. T. Hayden	*Travel Aud.*	" "
22 J. E. Slater	*Asst. Tr. Aud.*	Detroit, Mich.
23 F. B. Hull	*Asst. Tr. Aud.*	Adrian, Mich.
24 G. W. Stevens	*Supt. Mot. Pow.*	Cleveland, O.
25 John Kirby	*G. Mast. Car B.*	" "
26 Lewis C. Higgins	*Purch. Agent*	" "
27 G. H. Weeks[11]	*Car Account't.*	" "
28 G. M. Reid	*Supt. Bridges*	" "
29 J. L. Freeman	*Gen. Bag. Agt.*	" "
30 William Kline	*Supt. Teleg.*	Toledo, O.
31 T. S. Lindsey	*Paymaster*	Cleveland, O.
32 J. H. Hinkley	*Paymaster*	Chicago, Ill.
33 J. S. M. Hill	*Tax Agent*	Cleveland, O.
34 R. A. Bury	*Lumber Agent.*	Adrian, Mich.
35 J. A. Burch	*Wn. & So. Pass A*	Buffalo, N. Y.
36 W. P. Johnson	*Wn. Pass Agt.*	Chicago, Ill.
37 E. T. Koch	*Trav. Fgt. Agt.*	Toledo, O.
38 G. M. Crosier	*Trav. Fgt. Agt.*	Cleveland, O.
39 A. W. French	*Trav. Fgt. Agt.*	" "
40 G. A. Kimball	*Trav. Fgt Agt.*	Chicago, Ill.
41 W. W. Whitacre	*Contr. Agent*	Cleveland, O.
42 Geo. E. McCague	*Gen. Agent*	Pittsburg, Pa.
43 H. Bromley	*Gen. Agent*	Jackson, Mich.
44 A. E. Billings	*Gen. Agent*	Hillsdale, Mich.

Eastern Division.

45 C. B. Couch	*Superintend't.*	Cleveland, O.
46 O. D. Richard	*Engineer*	" "
47 John Robinson	*Mast. Mech.*	Buffalo, N. Y.
48 J. S. Graham	*Mast. Mech.*	Cleveland, O.
49 A. C. Robson	*Mast. Car B'r*	Buffalo, N. Y.
50 J. Withycomb	*Mast. Car B'r.*	Cleveland, O.
51 W. H. Courtney	*Road Master*	Erie, Pa.

Toledo Division.

52 Thos. Flesher, Jr.	*Superintend't.*	Cleveland, O.
53 J. M. Sanborn	*Mast. Mech.*	Norwalk, O.
54 W. O. Smyth	*Mast. Car B'r.*	" "
55 H. H. Houghton	*Road Master*	Elyria, O.
56 G. B. Houghton	*Road Master*	Norwalk, O.

Michigan Division.

57 T. J. Charlesworth	*Superintend't.*	Toledo, O.
58 Benj. Reece	*Engineer*	Toledo, O.
59 F. O. Bray	*Mast. Car. Br.*	Adrian, Mich.
60 Jerome Anson	*Road Master*	Toledo, O.
61 John Stuart	*Road Master*	Coldwater, Mich.
62 H. J. Carbus	*Road Master*	Adrian, Mich.

Western Division.

63 A. G. Amsden	*Superintend't.*	Chicago, Ill.
64 W. L. Gilmore	*Master Mech.*	Elkhart, Ind.
65 T. B. Kirby	*Master Car Br.*	Chicago, Ill.
66 Geo. Storrs	*Road Master*	Kendallville, Ind.
67 Joseph Pool	*Road Master*	La Porte, Ind.
68 T. F. Whittelsey	*Road Master*	Englewood, Ill.
69 A. Storms	*Asst. Road Mas.*	Chicago, Ill.

Franklin and Youngstown Branches.

70 G. H. McIntyre	*Superintend't.*	Youngstown, O.
71 G. C. Dunham	*Road Master*	" "

Det., Mon., Fay., Dund. and Jack. Branches.

72 G. H. Worcester	*Superintend't.*	Detroit, Mich.
73 Geo. Crocker	*Road Master*	Monroe, Mich.

Lans., Ypsil., and Fort Wayne Branches.

74 W. H. Canniff	*Superintend't.*	Hillsdale, Mich.
75 Charles Stein	*Road Master*	" "
76 G. W. Merrell	*Road Master*	" "

Grand Rapids Branch.

77 M. E. Wattles	*Superintend't.*	Kalamazoo, Mich
78 R. A. Warner	*Road Master*	" "

General office, Cleveland, O. New York office Room 47, Grand Central Depot.

☞ *See note of explanation on first page.*

MASON MACHINE WORKS,

TAUNTON, MASS.

BUILDERS OF

LOCOMOTIVES

Adapted to Every Service.

Rhode Island Locomotive Works,

PROVIDENCE, R. I.

CHARLES FELIX MASON, Pres't. EARL PHILIP MASON, Vice-Pres't.
WILLIAM P. CHAPIN, Treas. ARTHUR LIVINGSTON MASON, Sec'y.
JOSEPH LYTHGOE, Agent and Superintendent.

MANUFACTURERS OF ALL CLASSES OF

LOCOMOTIVE ENGINES,

FOR BROAD, STANDARD AND NARROW GAUGE ROADS,

From OUR OWN DESIGNS, and from Specifications Furnished.

— ALSO, —

BOILERS, TANKS AND AXLES.

396 Lamoille Valley Extension RR.—Rouse's Point, N. Y., to Maquam, Vt., 12 miles. (Operations suspended.)

1 Walter L. Frost	*President*	Boston, Mass.
2 A. B. Jewett	*Secretary*	St. Johnsbury, Vt.
3 Wm. P. Fairbanks	*Treasurer*	" "

General office, St. Johnsbury, Vt.

397 Laurel Fork and Sand Hill RR.—Laurel Fork Junction to Volcano, 4 miles; Coal Bank Branch, 2 miles.

1 Wm. C. Stiles, Jr.	*President*	Volcano, W. Va.
2 F. H. Williams	*Secretary*	Philadelphia, Pa.
3 Henry A. Stiles	*Treasurer*	" "

THE WEST VA. TRANSPORTATION CO., LESSEE, operating the road.

1 George Bradish	*President*	Bay Side, N. Y.
2 M. C. C. Church	*Sec. Tr. & G. M.*	Parkersburg, W V

General office, Parkersburg, W. Va. Transfer office, 209 So. Third St., Philadelphia, Pa.

398 Lawrence and Emporia RR.

See Union Pacific Ry. Co.

399 Lawrenceville Branch RR.

See Richmond and Danville System.

400 Leavenworth, Topeka and South Western Ry.

See Atchison, Topeka and Santa Fé RR.

401 Lebanon Springs RR.

See N. Y., Rutland and Montreal Railroad.

402 Lehigh and Hudson River RR.—Belvidere to Grey Court, 63 miles.

1 Grinnell Burt	*Pres. & Gen. M.*	Warwick, N.Y.
2 Joseph S. Harris	*Vice-President*	Philadelphia, Pa.
3 D. B. Halstead	*Secretary*	Brooklyn, N. Y.
4 John Sayer[2 3 4 9 10]	*Treas. & G. P. A.*	Warwick, N. Y.
5 N. L. Furman[7 8 11]	*Sup. & Mast. Tr.*	" "
6 Frank E. Smith	*Gen. Fgt. Agt.*	" "
7 E. M. Reynolds	*Auditor*	" "
8 Charles Caldwell	*Chief Engineer*	Newburgh, N. Y.
9 John Sayer	*Purch. Agent*	Warwick, N. Y.
10 Stott Mills	*Master of Mach.*	" "
11 P. W. Barrett	*Road Master*	" "

General office, Warwick, N. Y. Transfer office, 161 Broadway, New York, N. Y.

403 Lehigh and Lackawanna RR.—Bethlehem to Bangor, 31 miles.

1 F. C. Yarnall	*President*	Philadelphia, Pa.
2 S. Shepherd	*Sec. & Treas.*	" "
3 C. F. Howell	*Auditor*	" "
4 E. Hill	*General Agent*	" "
5 H. B. Fish	*Agent*	Wind Gap, Pa.

404 Lehigh Valley RR.

GENERAL OPERATING OFFICERS.

1 John Taylor	*Gen. Traffic M.*	Bethlehem, Pa.
2 J. H. Heckman	*Gen. Fgt. Agt.*	Mauch Chunk, Pa.
3 E. B. Byington[6]	*Gen. Pass. Agt.*	" "
4 A W Nonnemacher[2]	*Gen. Tkt. Agt.*	" "
5 John Whittle	*Ass't G. F. Agt.*	Sayre, Pa.
6 I. McQuilkin[3 9 8]	*Auditor*	Philadelphia, Pa.
7 C. H. Webb	*Aud. Thr. F'ts.*	Mauch Chunk, Pa.
8 A. W. Stedman	*Chief Engineer*	" "
9 Asa P. Blakslee[7 8]	*Gen. Car. Agt.*	" "
10 J. I. Blakslee	*Supt. Coal Bra.*	" "
11 J. W. Lattig	*Supt. Teleg.*	" "
12 W. C. Alderson	*Purch. Agent*	Philadelphia, Pa.
13 W. C. Morris, Jr.[7 6]	*Cashier Coal D.*	Mauch Chunk, Pa.

CORPORATE AND DIVISION OFFICERS.

(*a*) *Lehigh Valley RR.*—Perth Amboy to Wilkesbarre, 160 miles; with branches, 166 miles.

1 E. P. Wilbur	*President*	Bethlehem, Pa.
2 Chas. Hartshorne	*Vice-President*	Philadelphia, Pa.

404 Lehigh Valley RR.—CORPORATE AND DIVISION OFFICERS.—*Continued.*

3 R. H. Sayre	*2d Vice-Pres.*	Bethlehem, Pa.
4 John R. Fanshawe	*Secretary*	Philadelphia, Pa.
5 W. C. Alderson[6]	*Treas. & P. A.*	" "
6 H. S. Goodwin	*Gen. Supt.*	Bethlehem, Pa.
7 W. C. Morris, Jr.	*Cashier*	Mauch Chunk, Pa.
8 A. G. Brodhead	*Supt. B. M. Div.*	" "
9 J. Donnelly	*Supt. N. J. Div.*	Perth Amboy, N.J
10 A. Mitchell	*S. W. D & M. M.*	Wilkesbarre Pa.
11 J. I. Kinsey	*Div. M. M.*	S. Easton, Pa.
12 David Clark	*Div. M. M.*	Hazleton, Pa.
13 John Campbell	*Div. M. M.*	Delano, Pa.
14 P. Hofecker	*Div. M. M.*	Weatherly, Pa.
15 T. J. Klase	*G. E. Fgt. Agt.*	New York, N. Y.
16 W. B. Smith	*City Tick. Agt.*	" "
17 C. H. Cummings	*G. E. Pass. Agt.*	" "
18 P. C. Doyle	*G. No. Pass. Agt*	Buffalo, N. Y.

(*b*) *Geneva, Ithaca and Sayre RR.*—Geneva to Pennsylvania Line, 75 miles; with branches, 41 miles.

1 Elisha P. Wilbur	*President*	Bethlehem, Pa.
2 Charles Hartshorne	*Vice-President*	Philadelphia, Pa.
3 William C. Alderson	*Treas. & Pur. A.*	" "
4 J. R. Fanshawe	*Secretary*	" "
5 W. Stevenson	*Gen. Supt.*	Sayre, Pa.
6 Thomas McCarthy	*Road Master*	Mauch Chunk, Pa.
7 J. N. Weaver	*Master of Mach.*	Sayre, Pa.
8 J. S. Lentz	*Master Car R.*	Packerton, Pa.
9 A. Strauss	*Foreman C. S.*	Sayre, Pa.

General office, 228 So. Third St., Philadelphia, Pa.

(*c*) *Pennsylvania and New York Canal & RR. Co.*—Wilkesbarre to New York State Line, 104 miles; with branches, 48 miles.

1 Elisha P. Wilbur	*President*	Bethlehem, Pa.
2 Chas. Hartshorne	*Vice-President*	Philadelphia, Pa.
3 Robert H. Sayre	*2d Vice-Pres.*	Bethlehem, Pa.
4 Wm. C. Alderson	*Treas. & Pur. A.*	Philadelphia, Pa.
5 J. R. Fanshawe	*Secretary*	" "
6 W. Stevenson	*Gen. Supt.*	Sayre, Pa.
7 Charles Kellogg	*Supt. Bridges*	Athens, Pa.
8 A. Mitchell	*Ma. Machinery*	Wilkesbarre, Pa.
9 Con Hurley	*Foreman of Br.*	Athens, Pa.
10 J. S. Lentz	*Master Car R.*	Packerton, Pa.
11 M. White	*For. of Carp.*	Towanda, Pa.
12 J. M. Rahm	*Road Master*	" "
13 Philip Reilly	*Ass't Road M.*	Tunkhannock, Pa
14 T. Ackley	*Ass't Road M.*	Monroeton, Pa.

General office, 228 So. Third St., Philadelphia, Pa.

405 Ligonier Valley RR.—Latrobe to Ligonier, 11 miles.

1 Thomas Mellon	*President*	Pittsburgh, Pa.
2 A. W. Mellon	*Sec. & Treas.*	" "
3 T. A. Mellon	*Gen. Manager*	" "
4 George Senft[5]	*G. S. & T. M.*	Ligonier, Pa.

General office, Ligonier, Pa.

406 Litchfield, Carrollton and Western RR.—Columbiana to Barnett, 52 miles.

1 W. S. Hook	*President*	Jacksonville, Ill.
2 G. W. Davis	*Vice-President*	Carrollton, Ill.
3 Ornan Pierson	*Treasurer*	" "
4 H. H. Montgomery	*Secretary*	" "

407 Little Rock and Fort Smith Ry.

408 Little Rock Junction Ry.

409 Little Rock, Mississippi River and Texas Ry.

See Arkansas Valley Route.

410 Little Saw Mill Run RR.—Pittsburgh to Banksville, 3 miles.

1 John Haworth	*President*	Pittsburgh, Pa.
2 Chas. S. Fetterman	*Secretary*	" "
3 Jacob Henrici[9 10]	*Treasurer*	Economy, Pa.
4 T. Hartley	*Gen. Manager*	Banksville, Pa.

General office, Pittsburgh, Pa.

411 Long Beach Marine Ry.

See Long Island RR.

☞ *See note of explanation on first page.*

Taunton Locomotive Manufacturing

COMPANY.

ESTABLISHED 1846.

P. I. PERRIN, Agent and Treasurer, TAUNTON, MASS.

KNOXVILLE CAR WHEEL CO.,

KNOXVILLE, TENN.,

MANUFACTURE

Chilled Car & Engine Wheels.

MADE FROM STRICTLY COLD BLAST CHARCOAL IRON.

Made at their Celebrated Carter Co. Furnaces.

412 Long Island RR.—Long Island City to Greenport, 95 miles; branches and leased lines, 262 miles; total length, 357 miles.

1 Austin Corbin	*President*	New York, N. Y.
2 J. Rogers Maxwell	*Vice-President*	" "
3 E. B. Hinsdale	*Secretary*	" "
4 Henry Graves	*Treasurer*	" "
5 I. D. Barton	*Gen. Supt.*	L. Island C., N.Y.
6 J. Carlsen[2 3 4 9 10]	*Aud. & Cashier*	" "
7 B. Norton[1 5 7 8 11]	*Ass't S. & P. A.*	" "
8 H. M. Smith	*Ass't Tr. Mgr.*	" "
9 Charles Bruff	*A. Sec. & Ty. A.*	New York, N. Y.
10 C. A. Thompson	*Master Mech.*	L. Island C., N.Y.
11 C. R. Fitch	*Train Master*	" "
12 Anthony Jones	*Chief Engineer*	Brooklyn, N. Y.
13 G. W. Offutt	*G. Road Master*	L. Island C., N.Y.
14 C. E. Topping[6]	*Supt. Teleg.*	" "

15 *Division Road Masters.*—R. Wright, Thomas Rudden and Winslow Forbes, Long Island City, N.Y.

(a) *Long Beach Marine Ry.*—Long Beach Hotel to Point Lookout, 4 miles.

1 H. T. Chapman, Jr.	*Receiver*	New York, N. Y.
2 Cornelius W. Oliffe	*President*	" "
3 E. P. Schmidt	*Vice-President*	" "
4 T. H. Newell	*Sec. & Treas.*	" "

(b) *Marine Railway.*—Manhattan Beach to Sheepshead Bay Inlet and Brighton Beach, 2.5 miles.

1 Austin Corbin	*President*	New York, N. Y.
2 G. S. Moulton	*Treas. & Sec.*	Manhat'n B., N.Y.
3 C. M. Heald	*Gen. Tkt. Agent*	Manhat'n B., N.Y.

General office, Long Island City, N. Y. Executive and transfer office, 115 Broadway, N. Y. Repair Shops, Long Island City, L. I.

413 Los Angeles & San Gabriel Valley RR.—Los Angeles to Duarte, 21 miles.

1 J. F. Crank	*President*	Los Angeles, Cal.
2 S. P. Jewett	*V.-P. G M & P A.*	" "
3 S. Washburn	*Sec. & Trens.*	" "
4 L. Blankenhorn	*A., G. P. & F. A.*	" "
5 John Simpson, Jr.	*Mast. Mech.*	" "
6 W. H. Leeds	*Mast. Car. Bldr*	" "
7 W. R Davis	*Road Master*	" "
8 W. B. King	*Train Master*	" "

414 Louisiana Western Ry.

See Southern Pacific Co.

415 Louisville, Evansville and St. Louis RR.—New Albany to Mt. Vernon, 182 miles; branches, 71 miles.

1 William T. Hart	*President*	Boston, Mass.
2 George F. Evans	*Gen. Manager*	Louisville, Ky.
3 Otis Kimball	*Sec. and Treas.*	Boston, Mass.
4 A. P. Humphrey	*Gen. Counsel*	Louisville, Ky.
5 J. J. Collier[2 7 8]	*Auditor*	" "
6 J. S. Odlorne[3 4 9 10]	*Cash. & Paym.*	" "
7 W. H. Folsom	*Purch. Agent*	" "
8 George W. Curtis	*Actg. G P & T A*	" "
9 L. S. Parsons	*Gen. Fgt. Agt.*	" "
10 R. S. Miner	*General Supt.*	New Albany, Ind.
11 O. W. Putnam	*T. M. & C. D.*	Huntingburg, Ind
12 W. A. Stone	*Master Mech.*	Evansville, Ind.
13 W. E. Damon	*Supt. Bdgs & B.*	Louisville, Ky.
14 J. M. Yeats	*For. Ball Force*	Marengo, Ind.
15 B. W. Smith	*Ins. Water Tank*	Huntingburg, Ind
16 J. E. Mulvihill[11]	*Car Account't.*	New Albany, Ind.

Indiana and Illinois Division.

17 W. T. Hart	*President*	Boston, Mass.
18 G. F. Evans	*Gen. Manager*	Louisville, Ky.
19 O. Kimball	*Sec. and Treas.*	Boston, Mass.
20 A. P. Humphrey	*Gen. Counsel*	Louisville, Ky.
21 J. J. Collier	*Auditor*	" "

22 *Supervisors.*—J. H. Smee, Princeton, Ind.; G. R. Truville, John Freeman, Huntingburg, Ind.; L. F. Barton, Boonville, Ind.

23 *Foremen Carpenters.*—Jno. Freeman, New Albany, Ind.; W. B. McMurry, Mt. Carmel, Ill.; Asa Tilton, Huntingburg, Ind.

415 Louisville, Evansville and St. Louis RR.—*Continued.*

24 *Foremen Repair Shops.*—W. L. Dooling, Evansville, Ind.; H. Delaney, Huntingburg, Ind.; H. Coleman, New Albany, Ind.; T. Carmody, Mt. Vernon, Ill.

General offices, Boston, Mass., and Louisville, Ky. Transfer office, Boston, Mass.

416 Louisville and Nashville RR.—Main Stem, Louisville to Nashville, 185 miles; branches, leased lines, etc., 1,910 miles; Pensacola and Atlantic RR., 161 miles; Owensboro and Nashville Ry. 84 miles; Nashville and Florence RR., 56 miles. For further particulars, see "Manual of Railroads."

1 Ex Norton	*President*	New York, N.Y.
2 Milton H. Smith	*Vice-President*	Louisville, Ky.
3 A. M. Quarrier	*2d Vice-Pres.*	" "
4 E. B. Stahlman	*3d Vice-Pres.*	Nashville, Tenn.
5 S. R. Knott	*Asst. to V.-Pres*	Louisville, Ky.
6 R. K. Warren	*Secretary*	" "
7 W. W Thompson[2 10]	*Treasurer*	" "
8 S. H. Edgar	*Asst. Treas.*	" "
9 G. W. Proctor	*Cashier*	" "
10 A. W. Morriss	*A. Sec. & A. T.*	New York, N. Y.
11 H. Anthon	*Transfer Agt.*	" "
12 Cushman Quarrier	*Comptroller*	Louisville, Ky.
13 Edward Rowland	*Aud. of Rects.*	" "
14 Louis Stewart	*Asst. of Rects.*	" "
15 R. E. Sewell	*Aud. of Disb.*	" "
16 D. J. Duane	*Asst. A. of Disb.*	" "
17 Chas. Haydon	*Asst. Comp.*	" "

OPERATING DEPARTMENT.

18 J. T. Harahan	*Gen. Manager*	Louisville, Ky.
19 Wm. A. Kellond	*As. to G. Mgr.*	" "
20 R. Montfort	*Res't Engineer*	" "
21 F. W. Vaughan	*Consult. Engr.*	" "
22 Levi Hege	*Supt. R. Dept.*	" "
23 Reuben Wells	*Supt. Mach.*	" "
24 Harvey Middleton	*Asst. Sup. Mach.*	" "
25 George E. Evans	*Supt. Transp.*	" "
26 E. L. Hill	*Car Account't.*	" "
27 P. P. Huston	*Purch. Agent*	" "
28 D. C. Knowles	*Fuel Agent*	" "

LAW DEPARTMENT.

29 Russell Houston	*Chief Attorney*	Louisville, Ky.
30 H. W. Bruce	*Asst. Ch. Atty.*	" "
31 Lyttleton Cooke	*A. D. A. for Ky.*	" "
32 Ed. Baxter	*D. A. for Tenn.*	Nashville, Tenn.
33 Thos. G. Jones	*D. A. for Ala.*	Montgomery, Ala.
34 Gaylord B. Clark	*D. A. for Miss.*	Mobile, Ala.
35 Thos. L. Bayne	*D. A. for La.*	New Orleans, La.
36 J. M. Hamill	*D. A. for Ill.*	Belleville, Ill.

Division Superintendents.

37 C. H. Barnhart, *L. C. & L. Div.*,		Louisville, Ky.
38 P. T. Downs, *Louisville Div.*,		Louisville, Ky.
39 Jas. Geddes, *Nashville Div.*,		Nashville, Tenn.
40 R. S. Miner, *Supt. So. & No. Alabama Div.*,		Birmingham, Ala.
41 B. C. Epperson, *Mob. & Mont. Div.*,		Montgomery, Ala.
42 C. Marshall, *Supt. N. O. & M. Div.*,		New Orleans, La.
43 E. O. Saltmarsh, *Supt. Pens. Div. and P. & A. RR.*,		Pensacola, Fla.
44 O. M. Dunn, *Supt. M. Line*,		Memphis, Tenn.
45 J. G. Metcalfe, *Supt. St. Louis & Hend. Dirs.*,		Evansville, Ind.
46 J. C. Loomis, *Asst. Supt. St. Louis & Hend. Dirs.*,		Evansville, Ind.

(a) MASTER MECHANICS AND FOREMEN OF REPAIRS.

Louisville, Cincinnati and Lexington Division.

1 Wm. Adair	*Master Mech.*	Louisville, Ky.
2 R. F. Fowler	*Fmn. Car Rep.*	" "
3 Geo. Patrick	*Fmn. Gen. Rep.*	Wilders, Ky.
4 B. Dupont	*Fmn. Gen. Rep.*	Lexington, Ky.

Louisville Division.

5 Pulaski Leeds	*Master Mech.*	Louisville, Ky.

☞ *See note of explanation on first page.*

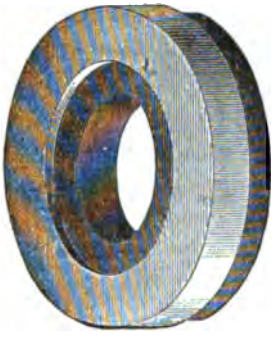
VULCANIZED FIBRE COMPANY,

WILMINGTON, DEL.,

SOLE MANUFACTURERS OF

THE NEW

"IRON CLAD" FIBRE TRACK WASHERS.



Perfected by ten years' experience.

SURPASSING ALL OTHER LOCK-NUT DEVICES IN

DURABILITY, EFFECTIVENESS AND CHEAPNESS.

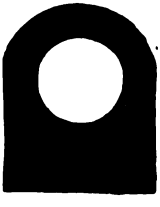
STRENGTHENED AND PROTECTED FROM THE WEATHER.
CANNOT BE CRUSHED OR BURST.
WILL NOT LOSE THEIR ELASTICITY, NOR ROT.
ADAPTED FOR BOTH PLAIN AND ANGLE-BARS.

ALSO

Vulcanized Fibre Flexible Dust-Guards,

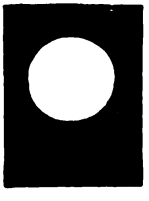
SUPERIOR TO LEATHER, OR ANY OTHER MATERIAL.

KEEP THE OIL IN THE CAR BOXES, AND SAND AND DUST OUT OF THEM.



They are not affected by oil, grease or petroleum; do not cut the axles, as grit does not adhere to them; keep their shape well, and will outwear several leather ones. Cut to order of any desired thickness or pattern. Send drawing or sample for estimate. This material is **absolutely free from grit, and will not become brittle and break.**

NOW IN USE ON MANY LEADING RAILROADS, GIVING GENERAL SATISFACTION.



Master Car Builders desiring to cut their own Washers, can be furnished with FLEXIBLE SHEET GOODS of any desired thickness. Being uniform in quality and thickness, can be cut without waste.

BE SURE TO SEND FOR SAMPLES AND PRICES.

New York Office, - No. 15 Dey Street.

416 Louisville and Nashville RR.—*Continued.*

6 With following foremen of shops—address of all, Louisville, Ky.:

Geo. F. Rugg, *Machine.*	J. L. Bouvy, *Tin & Copper.*
Geo. Miller, *Foundry.*	Jno. Feathers, *R'nd Houses.*
Jno. R. Badge, *Blacksmith.*	J. Kavanaugh, *Wheel.*
J. H. Sanaman, *Freight Car.*	Jos. Murphy, *Paint.*
J. W. Mosier, *Pass. Car.*	

7 Smith Irwin.....	*Foreman*.....	Rowland, Ky.
8 C. W. Coulter.....	*Foreman*.....	Jellico, Tenn.

Edgefield and South Nashville Shops.

9 W. P. Pike, *Master Mechanic*, Edgefield, Tenn.
10 *Foreman.*—J. J. Monahan, Edgefield, Tenn.
11 J. E. Blackwood, South Nashville, Tenn.
12 D. A. Keal, Earlington, Ky.

---

13 *Bowl'g Green.*—H. M. Lund, *M. M.*, Bowl'g G'n, Ky.
14 *S. & N. A. Div.*—C. F. Giles, *M. M.*, Birmingham, Ala.
15 *S. & N. A. Div.*—James D. McNabb, *Foreman*, Decatur, Ala.
16 *M. & M. Div.*—B. O. Vaughn, *For.*, Montgomery, Ala.
17 *N. O. & M. Div.*—J. G. Clifford, *M.M.*, Mobile, Ala.
18 *N. O. & M. Div.*—C. T. Geary, *For.*, N. Orleans, Ala.
19 *N. O. & M. Div.*—L. C. Barham, *F. Car Repairs*, Mobile, Ala.
20 *St. L. Div.*—Thos. Walsh, *M. M.*, Mount Vernon, Ill.
21 *St. L. Div.*—W. H. H. Price, *Foreman*, Evansville, Ind.
22 *St. L. Div.*—J. L. Tefft, *Foreman*, E. St. Louis, Ill.
23 *P. Div.*—W. D. Robb, *M. M.*, Pensacola, Fla.
24 *Memp. Line.*—J. V. Slusser, *M. M.*, Memphis, Tenn.

(*b*) MAINTENANCE DEPARTMENTS.

1 W. H. Courtenay..	*A. Eng. So. Div.*	Montgomery, Ala.
2 H. Bolla.....	*Sup. Br. & Bds.*	Louisville, Ky.
3 James Cody.....	*Scale Repairer.*	" "
4 F. Hawkins.....	*S'p'r W'tr Stns*	" "

5 *Supervisors of Bridges.*—J. M. Hall, La Grange, Ky.; M. McClellan, Columbia, Tenn.; J. M. Bibb, Birmingham, Ala.; W. P. Carroll, Montgomery, Ala.; J. B. Fahey, Bay St. Louis, Miss.; T. C. Barrett, Pensacola, Fla.; Floyd Ingram, Paris, Tenn.; G. W. Hinman, Evansville, Ind.

6 *Road Masters.*—M. Gilhooley, La Grange, Ky.; H. F. Baldwin, Pensacola, Fla.; F. M. Ansley, Louisville, Ky.; J. T. Cralk, Columbia, Tenn.; F. W. Dunn, Birmingham, Ala.; T. J. Ansley, Evergreen, Ala.; M. L. Ansley, Bay St. Louis, Miss.; C. A. Davies, Memphis, Tenn.; Tim Mahoney, Russellville, Ky.; H. Frazier, Hopkinsville, Ky.; T. B. Robson, Evansville, Ind.

7 *Supervisors of Roadway.*—Thos. Hawley, La Grange, Ky.; Jas. O'Donnell, La Grange, Ky.; S. W. Bransford, Elizabethtown, Ky.; T. E. Conniff, Lebanon, Ky.; Mike Barrett, Stanford, Ky.; Matt. Ryan, Nashville, Tenn.; R. B. Meadows, Nashville, Tenn.; M. Baine, Columbia, Tenn.; P. M. Williams, Birmingham, Ala.; G. P. Aldridge, Verbena, Ala.; J. L. Farris, Montgomery, Ala.; J. F. Goodson, Flomaton, Ala.; J. W. McCutcheon, Bay St. Louis, Miss.; Jas. Hartigan, Pensacola, Fla.; W. C. Clifton, Marianna, Fla.; Pat. Norton, Memphis, Tenn.; T. Gorman, Paris, Tenn.; Wm. Reedy, Henderson, Ky.; S. W. Bransford, Hopkinsville, Ky.; H. A. Shields, Mt. Vernon, Ill.; Jas. Smee, Evansville, Ind.

(*c*) FREIGHT DEPARTMENT.

1 J. M. Culp.....	*Gen. Fgt. Agt.*	Louisville, Ky.
2 A. Broaddus.....	*Asst. G. F. Agt.*	" "
3 Theo. Welch.....	*G. F. A. also D. A*	Montgomery, Ala.
4 Lee Howell.....	*Gen. Fgt. Agt.* *St. L. & H. Divs.*	Evansville, Ind.
5 P. J. McGovern....	*D. F. A L C & LD*	Louisville, Ky.
6 Y. Vandenberg.....	*D. F. A. M. L.*	Memphis, Tenn.

7 GENERAL AND TRAVELLING AGENTS.—*General:* S. B. Jones, New York, N. Y.; Brent Arnold, Cincinnati, O.; W. S. McChesney, Jr., Lexington, Ky.; W. N. Culp, Louisville, Ky.; S. J. Cassetty, St. Louis, Mo.; F. P. Gracey & Bro., Clarksville, Tenn.; B. F. Champe, Nashville, Tenn.; H. G. Barclay, Mobile, Ala.; D. C. Roberts, New Orleans, La. *Travelling:* C. H. Trimble, Louisville, Ky.; G. W. French, Evansville, Ind.; John Fitzgerald, Memphis, Tenn.; Dade Sams, Birmingham, Ala.; R. R. Lutz, Montgomery, Ala.; R. Wallace, Jacksonville, Fla.

416 Louisville and Nashville RR.—*Continued.*

8 J. A. Sams.	*Gen. So. Agent*	Atlanta, Ga.
9 W. C. Wallace.. ..	*Coast Agent*....	" "

(*d*) PASSENGER DEPARTMENT.

1 C. P. Atmore.....	*Gen. Pas. Agt.*	Louisville, Ky.
2 J. A. Boyd.....	*As. G. P. Agt.*	" "
3 S. S. Parker.....	*Div. Pass. Agt.*	Cincinnati, O.
4 John Kilkeny..	*Div. Pass. Agt.*	New Orleans, La.
5 John W. Mass....	*Div. Pass Agt.*	St. Louis, Mo.
6 G. M. Williams ..	*G. T. A. S. & N A*	Montgomery Ala.
7 J. B. Browning....	*Gen. Bag. Agt*	Louisville, Ky.
8 S. B. Jones.....	*Gen. East. Agt.*	New York, N. Y.
9 W. McGibney.....	*East. Pass. Agt.*	" "
10 Herman Holmes..	*Trav. Pass Agt.*	Medina, O.
11 Geo. L. Cross	*N. W. Pass. Agt.*	Chicago, Ill.
12 W. E. Atmore.....	*Trav. Pass. Agt.*	St. Louis, Mo.
13 J. W. Kittle.....	*W. Pass. Agt.*	Kansas City, Mo.
14 C. E. Osborn.....	*Trav. Pass Agt.*	Indianapolis, Ind.
15 T. H. Kingsley....	*Trav. Pass Agt.*	Houston, Tex.
16 T. H. Watterson..	*Trav. Pass Agt.*	Little Rock, Ark.
17 L. R. Tuttle.....	*Pass. Agent*...	Jacksonville, Fla.
18 Fred. D. Bush	*Dist. Pass. Agt.*	Atlanta, Ga.
19 Jackson Smith....	*S. E. Pass. Agt.*	Knoxville, Tenn.

General office, Louisville, Ky. New York office, 50 Exchange Place.

417 Louisville, New Albany and Chicago Ry.—Louisville to Michigan City, 293 miles; Air Line Division, 183 miles.

1 William Dowd....	*President*.....	New York, N. Y.
2 John B. Carson...	*V.-Pres. & G. M*	Chicago, Ill.
3 W. H. Lewis[2 4 9 10]	*Sec. & Treas*...	" "
4 William Dulles, Jr.	*A. Sec. & A Treas*	New York, N. Y.
5 W. R. Woodard...	*Gen Supt*.....	Chicago, Ill.
6 F. Hall.....	*Chief Eng*.....	" "
7 W. H. McDoel....	*Traffic Mgr*....	" "
8 E. O. McCormick..	*Gen. Pass. Agt.*..	" "
9 J. J. Coleman....	*Gen. Fgt. Agt.*..	" "
10 James Long.....	*Master Mech*...	New Albany, Ind.
11 Chas. Collier.....	*Mast. Car Repr.*	" "
12 W. H. Adams.....	*Mast. Transp.*..	Lafayette, Ind.
13 Geo. W. Howard..	*Master Trains.*	" "
14 E. L. Ryder.....	*Master Trains.*	Monon, Ind.
15 W. B. Jones.....	*Supt. Teleg*....	Chicago, Ill.
16 John Zahn.....	*Supt. of Brdgs. Main Line*	Bedford, Ind.
17 D. E. Hooper....	*C. & I. Div.*..	Monon, Ind.
18 A. S. Dunham	*Purch. Agt*....	Chicago, Ill.
19 Joseph H. Craig[1 7 8]	*Auditor*.....	" "
20 G. W. Easley.....	*Gen. Solicitor*..	" "
21 A. G. Hancock...	*Car Account't*..	" "
22 J. B. Browning...	*Gen. Bag. Agt.*	Louisville, Ky.
23 J. J. Campron..	*G. So. Trav. Agt* *Fgt. & Pass. Dpt*	" "
24 A. J. O'Reilly.....	*G. A. Fgt. Dep.*	Chicago, Ill.
25 G. S. Brecount....	*G. A. Fgt. Dep.*	Indianapolis, Ind.
26 S. Phillips.....	*G. A. Fgt. Dep.*	Louisville, Ky.
27 H. A. Hathaway..	*Dis. Pass. Agt.*..	" "
28 T. D. Campbell....	*Dis. Pass. Agt.*..	Cincinnati, O.
29 I. D. Baldwin.....	*Dis. Pass. Agt.*	Indianapolis, Ind.

30 *Road Masters.*—H. Byrne, Lafayette, Ind.; J. A. Rodgers, Bedford, Ind.; P. J. Watson, A. G. Wright, Monon, Ind.

Principal office, Chicago, Ill. Transfer office, 31 Nassau St., New York, N. Y. Repair Shops at New Albany, Ind.

418 Louisville, New Albany and Corydon Ry.—Corydon Junction to Corydon, 8 miles.

1 St. John Boyle.....	*President*.....	Louisville, Ky.
2 S. M. Stockslager..	*Vice-President*..	Corydon, Ind.
3 Thomas McGrain..	*Sec. & Treas*...	" "
4 C. B. Lowry.....	*Superintend't*..	" "
5 J. J. Collier[2 3 4]	*G. P. & F. A.*..	Louisville, Ky.
6 J. B. Browning ...	*Gen. Bag. Agt.*..	" "

General office, Louisville, Ky.

☞ *See note of explanation on first page.*

EDWARD COOPER, Pres't, } New York.
EDWIN F. BEDELL, Sec'y, }

FRED. J. SLADE, Treas., } Trenton.
JOSEPH STOKES, Sup't, }

NEW JERSEY STEEL and IRON CO.

TRENTON, N. J.

COOPER, HEWITT & CO.,

17 BURLING SLIP, NEW YORK.

Wrought Iron and Steel Beams, Channels, Angles and Tees,
Merchant Iron, Brazier and Wire Rods,
Horse-Shoe Iron, Rivets, Chains,

CONSTRUCTORS OF

BRIDGES, ROOFS, ETC.

Plans and Estimates Furnished for Draws, Fixed Spans, etc.

POOR & GREENOUGH,

BANKERS,

— AND —

Members of the New York Stock Exchange,

Act as Financial Agents for Banks, Corporations or Municipalities.

LOANS NEGOTIATED.

ADVANCES MADE ON APPROVED COLLATERAL.

Certificates of Deposit Issued Bearing Interest.

34 WALL STREET, NEW YORK.

419 Louisville, New Orleans and Texas Ry.—Total line, 538 miles. (For details, see "Poor's Manual of Railroads.")

1 R. T. Wilson	*President*	New York, N. Y.
2 James M. Edwards	*V.-P. & G. Mgr.*	Memphis, Tenn.
3 A. M. Cooke	*Ass't to G. Mgr.*	" "
4 C. H. Bosher	*Secretary*	New York, N. Y.
5 F. M. Davis	*Treasurer*	" "
6 Robert Hazlehurst	*Ass't Treas.*	" "
7 William Mahl	*Comptroller*	" "
8 E. W. How	*Gen. F. & P. Agt*	Memphis, Tenn.
9 J. T. Penton	*Auditor*	" "
10 John Bradley	*General Agent.*	New Orleans, La.
11 A. A. Sharp	*Mast. Transp.*	Vicksburg, Miss.
12 P. R. Rogers	*Gen. Tr. Pass. A*	Memphis, Tenn.
13 G. W. McGinniss	*Land Comm'r.*	" "
14 H. G. Willis	*Gen. Bag. Agt.*	New Orleans, La.
15 W. L. Bass	*Car Account't.*	Memphis, Tenn.
16 J. W. James	*Land Agent.*	Vicksburg, Miss.
17 J. T. Edward	*Land Agent.*	Leland, Miss.
18 James Hill	*Trav. Land A*	Jackson, Miss.
19 P. D. Papin	*Commercial A.*	Kansas City, Mo.
20 D. Shelby	*Western Fgt. A.*	St. Louis, Mo.
21 W. M. Reese	*Commercial A.*	Cincinnati, O.
22 R. F. Reynolds	*Commercial A.*	New Orleans, La.
23 T. E. Cranner	*Pass. Agent*	" "
24 R. B. Maury, Jr.	*Pass. Agent*	Memphis, Tenn.

General office, Memphis, Tenn. Transfer office, New York City, N. Y.

420 Louisville and Wadley RR.—Louisville to Wadley, 10 miles.

1 William Donovan	*President*	Wadley, Ga.
2 J. G. Cain	*V.-Pres. & G. M.*	Louisville, Ga.
3 J. C. Little[5]	*Treasurer*	" "
4 G. W. Warren	*Secretary*	" "
5 T. F. Caulk	*General Agent.*	" "
6 W. S. Tribble	*Road Master*	" "

General office, Louisville, Ga.

421 Maine Central RR.

1 Arthur Sewall	*President*	Portland, Me.
2 Payson Tucker[2 7 8]	*V.-P. & G. M.*	" "
3 J. A. Linscott[3 4]	*Treasurer*	" "
4 J. H. Drummond	*Secretary*	" "
5 F. E. Boothby[2]	*G. P. & T. A.*	" "
6 W. S. Eaton	*Gen. Fgt. Agt.*	" "
7 W. A. Allen	*Chief Engineer*	" "
8 George W. York	*Auditor*	" "
9 Thomas P. Shaw	*Pay. & F. Aud.*	" "
10 H. H. Towle	*Gen. Bag. Agt.*	" "
11 C. H. Keulson	*Mast. Car Bldr*	Augusta, Me.
12 J. A. Linscott	*Transfer Agt.*	Portland, Me.
13 D. A. Booker	*Bridge Insp.*	Brunswick, Me.
14 Amos Pilsbury	*Mast. Mech.*	Waterville, Me.
15 George Nevens	*Road Masters*	Brunswick, Me.
16 G. W. Wagg		Auburn, Me.
17 V. H. Foss		Bangor, Me.
18 John Ellis	*For. Mac Shop.*	Waterville, Me.
19 Geo. B. Haskell	*For. R.R. & L.*	Auburn, Me.
20 F. W. Knight	*For. Car Rep.*	Portland, Me.
21 J. W. Russell	*For. Eng House*	Waterville, Me.
22 E. A. Hall	*Train Disp.*	Portland, Me.
23 F. Robinson	*For. Eng. House*	Bangor, Me.
24 J. A. Pinkerton	*For. Eng. House*	Portland, Me.
25 E. Hartshorn	*For. Car Paint.*	Augusta, Me.
26 G. A. Alden	*Gen. East. Agt.*	Waterville, Me.

General office, Portland, Me.

422 Manhattan Railway.—East Side Lines, 16 miles; West Side Lines, 16 miles; with branch, 1 mile; total length, 33 miles.

1 Jay Gould	*President*	New York, N. Y.
2 R. M. Gallaway	*Vice-President.*	" "
3 F. K. Hain	*G. M. & P. A.*	" "
4 D. W. McWilliams	*Sec. & Treas.*	" "
5 E. F. J. Gaynor	*Auditor*	" "
6 R. I. Sloan	*Chief Engineer.*	" "
7 T. W. Peeples	*Master Mech.*	" "
8 W. T. Goundie	*Supt. Transp.*	" "
9 C. P. McFaddin	*Gen. Tkt. Agt.*	" "
10 Robert Black	*Road Master*	" "
11 J. D. Campbell	*Form'n Mach.*	" "

422 Manhattan Railway—*Continued.*

12 H. A. Webster	*G. F. Car Rps.*	New York, N. Y.
13 A. Campbell	*F. Car Paint'r*	" "
14 W. A. Knapp	*F. Car Insp.*	" "
15 Jas. C. Mulhern	*F. Car Insp.*	" "
16 J. B. Hill	*F. Car Insp.*	" "
17 G. W. Hathaway	*F. Car Insp.*	" "
18 Office of Co.	*Transfer Agt.*	" "

19 *Supervisors.*—G. Anderson, H. Harms, Thomas Riley, G. B. Whitney, New York, N. Y.

Repair Shops at 98th St. & 3d Av. and 145th St. & 8th Ave., N. Y.

423 Manhattan, Alma and Burlingame Ry.

See Atchison, Topeka and Santa Fé RR.

424 Manitoba and North-Western Ry.—Portage la Prairie to Langenburg, 180 miles. Russell Branch: Binearth to Russell, 12 miles. Saskatchewan & Western Ry. Leased:—Minnedosa to Rapid City, 15 miles. Total mileage operated, 207 miles.

1 Andrew Allan	*President*	Montreal, Que.
2 D. MacArthur	*Vice-President.*	Winnipeg, Man.
3 F. H. Brydges	*Secretary*	" "
4 W. R. Baker[3 4 8 9 10]	*G. Supt. & Tr.*	Port. la Prairie, M.
5 A. F. Eden	*Land Commis.*	Winnipeg, Man.
6 G. H. Webster	*Engineer*	Port. la Prairie, M.
7 Alex. McDonald[1 6]	*A. G. F. & P. A.*	" "

General offices, Portage la Prairie and Winnipeg, Man. Locomotive and Car Repair Shops at Portage la Prairie, Man.

425 Marietta, Columbus and Northern RR.—Marietta to Amesville, 30 miles. (Formerly Marietta Mineral Ry.)

1 W. P. Cutler	*President*	Marietta, O.
2 R. E. Phillips	*V.-P. & G. M.*	" "
3 T. D. Dale[3 4 9 10]	*Treasurer*	" "
4 R. L. Nye	*Sec. & Attorn'y*	" "
5 H. C. Vincent	*G. P. & F. Agt.*	" "
6 F. Price[2 7]	*Auditor*	" "
7 W. R. Utley	*Purch. Agt.*	New York, N. Y.
8 C. E. Gard	*Chief Engineer.*	Marietta, O.
9 A. Galbraith	*Supvr. Road*	Vincent, O.
10 T. D. Meek	*Su. B. & Trestles*	Big Run, O.
11 H. C. Kelly[11]	*Train Master*	Marietta, O.
12 J. M. Sheets	*Master Mech.*	" "

General office, Marietta, O. Locomotive and Car Repair Shops at Harmar, O.

426 Marietta and North Georgia RR.—Marietta to Ellijay, 76 miles.

1 R. M. Pulsifer	*President*	Boston, Mass.
2 E. C. Machen	*V.-P. & G. M.*	New York, N. Y.
3 L. W. Young[3 4]	*Treasurer*	Boston, Mass.
4 H. M. Hammett	*Secretary*	Marietta, Ga.
5 J. B. Glover[6]	*G. S. & Pur. A.*	" "
6 F. B. Chandler[5]	*Gen. Ft. & P. A.*	" "
7 C. R. Walton	*Chief Engineer*	" "
8 T. W. Glover	*Gen. Trav. Agt.*	" "
9 C. C. Chester	*Master Mech.*	" "

General office, Marietta, O.

427 Marine Railway.

See Long Island RR.

428 Marquette, Houghton and Ontonagon RR.—Marquette to Houghton, 95 miles, with branches, 40 miles.

1 J. L. Stackpole	*President*	Boston, Mass.
2 William Simes	*Vice-President.*	" "
3 Samuel Thomas	*Treas. & Sec.*	" "
4 John Hornby[3 4 9 10]	*Gen. Mgr. & Su.*	Marquette, Mich.
5 W. A. Thompson	*Asst. Su. & R. M.*	" "
6 W. B. McCombe[6]	*G. T. A. & Cash.*	" "
7 A. S. Parks	*Gen. Fgt. Agt.*	" "
8 C. H. V. Cavis	*Chief Engineer.*	" "
9 M. B. McGee[5]	*Supply Agt.*	" "
10 Geo. S. Hobbs[2 7 8 11]	*Auditor*	" "
11 H. D. Lyons	*Mas. Car Bldr.*	" "
12 G. W. Joslin	*Master Bldr.*	" "
13 W. A. Mahan	*Mast. Mech.*	" "
14 L. S. Glaster	*Train Master*	" "
15 A. Keyson	*Road Master*	Ishpeming, Mich.

☞ *See note of explanation on first page.*

JOLIET STEEL COMPANY.

A. J. LEITH, President, 11 Pine St., New York.

H. S. SMITH, Gen. Supt., Joliet, Ill.

MANUFACTURERS OF

Bessemer Steel Rails

OF SUPERIOR QUALITY, IN ALL WEIGHTS.

WORKS: JOLIET, ILL.

Chicago Office: Home Insurance Building.

W. R. STIRLING, Treasurer. J. C. STIRLING, Secretary.
J. H. LONG, General Agent.

JOHN WILSON, President and Gen. Manager. GEO. S. FOSTER, Vice-President.
W. W. OLIVER, Acting Secretary and Treasurer.

WESTERN FORGE & ROLLING MILLS

MANUFACTURERS OF

STEAMBOAT, MILL AND ENGINE

SHAFTS, CRANKS,

AND ALL DESCRIPTIONS OF HAMMERED IRON AND STEEL FORGINGS,

Locomotive Frames, Rock Shafts, Draw Heads, Bumpers, Links, Pins, and all descriptions of Railroad and Bridge Iron Work.

WORKS, EAST ST. LOUIS, ILL.

Office: 210 N. THIRD STREET, ST. LOUIS, MO.

428 Marquette, Houghton and Ontonagon RR.—*Continued.*

(*a*) *Marquette and Western RR.*—Marquette to Ishpeming, 17 miles, with branches to mines, 5 miles.

1 Wm. Simes	*President*	Boston, Mass.
2 J P. Lyman	*V.-P., Sec. & Tr.*	" "
3 John Hornby	*G. Man. & Sup*	Marquette, Mich.

General office, 10 Wall St., New York, N. Y.

429 Marshall, Paris and Northwestern Ry.—From

1 E. G. Zelle	*President*	Marshall, Tex.
2 W. W. Heartsill[1 2]	*1st Vice-Pres*	" "
3 Ll.W. Lloyd[6 7 8 9 10 11]	*2d V.-P. & Sup.*	" "
4 E. J. Fry[4]	*Treasurer*	" "
5 W. T. Scott, Jr.[3]	*Secretary*	" "
6 H. H. Youree[5]	*Gen. Manager*	" "

430 Martha's Vineyard RR.—Oak Bluffs to South Beach, 9 miles.

1 E. P. Carpenter	*President*	Foxboro', Mass.
2 J. T. Pease[3 4]	*Treasurer*	Edgartown, Mass.
3 G. A. Carpenter[1 2 5]	*Agent*	" "

General office, Edgartown, Mass. Locomotive and Car Repair Shops at Edgartown, Mass.

431 Maryland Central RR.—Baltimore to Delta, 45 miles.

1 William Gilmor	*Receivers*	Baltimore, Md.
2 Samuel Spencer	*Receivers*	Baltimore, Md.
3 W. H. Waters	*President*	" "
4 William Gilmor	*Vice-President*	" "
5 G. Wm. Maslin	*Superintend't*	" "
6 C. F. Kerchner	*Auditor*	" "

Locomotive and Car Repair Shops at Baltimore, Md.

432 Mason City and Fort Dodge RR.—Mason City to Fort Dodge, 72 miles; branches, 22 miles.

1 James E. Smith	*Gen. Manager*	Mason City, Ia.
2 Geo. S. Batty	*Gen F. & P. A. & Aud & Cash*	" "
3 Bernard Reiley	*Master Mech*	Fort Dodge, Ia.
4 J. A. Crippen	*Road Master*	" "
5 J. M. Pattison	*Tr. Dis & Su. Tel*	Mason City, Ia.

433 Mauch Chunk, Summit Hill and Switchback RR.

1 Theo. L. Mumford	*Lessee & Man.*	MauchChunk, Pa.
2 H. J. Mumford	*Supt. & P. A.*	" "

Repair Shops located at Mauch Chunk, Pa.

434 Meadville and Linesville Ry.—Meadville to Linesville, 21 miles.

1 G. W. Delamater	*President*	Meadville, Pa.
2 A. C. Huidekoper	*Vice-President*	" "
3 H. L. Richmond, Jr.	*Secretary*	" "
4 V. M. Delamater[3 4 9 10]	*Treasurer*	" "
5 T. A Delamater[1 2 7 8 11]	*A. A. S., P & F A.*	" "

General office, Meadville, Pa.

435 Mecosta RR.—Muskegon Run to Homehead Lake, 10 miles.

1 John Sweet	*President*	Rodney, Mich.
2 B. W. Sweet	*Secretary*	" "
3 W. J. Sweet	*Treasurer*	" "

436 Meherrin Valley RR.—Margaretsville to Hicksford, 17.5 miles.

1 G. M. Serpell	*President*	Norfolk, Va.
2 W. G. Elliott	*Sec. & Treas.*	" "
3 D. S. Cherry	*General Supt.*	Hicksford, Va.

General office, Portsmouth, Pa.

437 Memphis, Birmingham and Atlantic RR.

See Kansas City, Memphis and Birmingham RR.

438 Memphis and Charleston RR.

See East Tennessee, Virginia and Georgia RR.

439 Memphis and Little Rock RR.—Little Rock to Memphis, 135 miles.

1 R. K. Dow	*Trustees in pos.*	Claremont, N.H
2 Charles Moran	*Trustees in pos.*	New York, N.Y.
3 W. Matthews	*Trustees in pos.*	Orange, N. J.
4 Rudolph Fink[5]	*G. M. & A for T.*	Memphis, Tenn.
5 J. W. Goodwin[3 4 9 10]	*Treasurer*	Little Rock, Ark.
6 D. Miller[1]	*Gen. Fgt. & T. A*	" "
7 F. E. Hastings[2 6]	*Auditor*	" "
8 A. J. Whitney[7 11]	*Master Trains.*	Memphis, Tenn.
9 T. Rennell	*Master Mech*	Argenta, Ark.
10 Jacob Pfortner	*Supt. Bridges*	Memphis, Tenn.
11 A. McAvoy	*Road Master*	Brinkley, Ark.
12 M. Toomey[6]	*Gen. Bag. Agt.*	Little Rock, Ark.
13 C. Robkin	*For. Lo. Reps.*	Argenta, Ark.
14 J. B. Holley	*For. Car. Reps.*	" "
15 C. Sherry	*For. Car P'nt.*	" "

General office, Little Rock, Ark. Trustees' office, Moran Bros., 68 William St., New York, N. Y.

440 Mendocino Railroad.—Cuffey's Cove to Helmke's Mill, 4 miles.

1 Charles F. Crocker	*President*	San Francisco, Cal
2 Charles E. Green	*Sec. & Treas.*	" "

441 Meriden and Cromwell RR.—Meriden to Cromwell, 11 miles.

1 H. C. Wilcox	*President*	Meriden, Conn.
2 A. Chamberlin	*Treasurer*	" "
3 C. L. Rockwell	*Secretary*	" "
4 Geo. Rockwell[5 9 10]	*Gen Manager*	" "
5 H. L. B. Pond[7 8 11]	*Superintend't*	" "

General office, Meriden, Ct. Locomotive and Car Repair Shops at Cromwell, Ct.

442 Michigan Air-Line Ry.

See Grand Trunk Ry.

443 Michigan Central RR.—Detroit to Kensington, 270 miles, with branches, leased and operated, 1,508.6 miles.

1 C. Vanderbilt	*Chair. of Bd.*	New York, N. Y.
2 H. B. Ledyard	*Pres. & G. Man*	Detroit, Mich.
3 E. D. Worcester	*V.-Pres. & Sec.*	New York, N. Y.
4 Henry Pratt[4 10 8]	*Treasurer*	" "
5 E. C. Brown	*Gen. Supt.*	Detroit, Mich.
6 R. Miller	*A. G. S. & M C. B*	" "
7 O. W. Ruggles	*Gen. P. & T. A.*	Chicago, Ill.
8 A. Mackay	*Gen. Fgt. Agt.*	" "
9 W. R. Busenbark	*A. G. P. A*	" "
10 Geo. E. King	*A. G. T'kt. A.*	" "
11 A. W. Street	*Asst. G. Fgt. A*	" "
12 C. J. Hupp	*Asst. G. Fgt. A*	Detroit, Mich.
13 W. L. Brenham	*Asst. G. Fgt. A*	Bay City, Mich.
14 H. P. Dearing	*Gen. Bag. Agt.*	Chicago, Ill.
15 J. Crampton	*Gen. E. Fgt. Agt*	Buffalo, N. Y.
16 D. A. Waterman[3]	*Auditor*	Detroit, Mich.
17 F. Braisted	*Asst. Auditor*	" "
18 R. J. Pelton	*Asst. A. & A. C.*	St. Thomas, Ont.
19 J. E. Griffiths[3 9]	*Cashier*	Detroit, Mich.
20 Allen Bourn	*Purch. Agent*	" "
21 Ashley Pond	*Gen. Counsel*	" "
22 Henry Russel	*Gen. Attorney*	" "
23 J. D. Hawks	*Chief Engineer*	" "
24 A. F. Howland	*Fuel Agent*	" "
25 C. E. Smart	*Gen. Mas. Mech.*	Jackson, Mich.
26 E. E. Torrey	*Supt. Teleq.*	Detroit, Mich.
27 J. H. Masten	*Gen. Car Agt.*	" "
28 Thos. Edson	*F. Cl. A & F Acc.*	" "
29 F. O. Waldo	*Ticket Acc.*	" "
30 C. H. Norris	*Gen. Agent*	Grand Rapids, M.
31 J. G. Riley	*Div. M. M.*	Chicago, Ill.
32 E. D. Bronner	*For. Car. Reps.*	Detroit, Mich.
33 Robert Potts	*For. Car Reps.*	St. Thomas, Ont.
34 D. D. Robertson	*Mas. Car Paint.*	Detroit, Mich.

Division Superintendents.

35 C. B. Bush	*Middle Div*	Jackson, Mich.
36 R. H. L'Hommedieu	*Western Div.*	Chicago, Ill.
37 W. A. Vaughan	*B. C., S. & MD.*	Bay City, Mich.
38 D. S. Sutherland	*Eastern Div.*	Detroit, Mich.
39 J. B. G. Morford	*L. E. of Det. R.*	St. Thomas, Ont.
40 A. E. Dailey	*Tracks & Brgs.*	Detroit, Mich.

☞ *See note of explanation on first page.*

MANUFACTURERS OF RAILWAY VARNISHES.

THE De GOLYER

RAILWAY VARNISHES.

UNEQUALLED IN QUALITY.

MANUFACTURED BY

THE De GOLYER VARNISH CO., Chicago.

443 Michigan Central RR.—*Continued.*

Passenger Agents.

41 W. H. Underwood.	*East. Agent*....	Buffalo, N. Y.
42 Newell Pottee.....	*Trav. Agent*...	" "
43 John G. Laven....	*Canada Agent.*	Toronto, Ont.
44 D. W. Johnson....	*Mich Agent*...	G'd Rapids, Mich.
45 P. P. Murry.....	*West. Agent*....	Chicago, Ill.
46 H. H. Marley.....	*So. Wn. Agent*..	Kansas City, Mo.
47 W. L. Wyand.....	*No. Wn. Agent.*	St. Paul, Minn.
48 L. L. Caufy..	*Wisc. Agent*...	Milwaukee, Wis.
49 Amos Burr.. .	*Pac. Coast Agt.*	San Francisco, Cal

50 *Road Masters.*—O. F. Jordan, St. Thomas, Can.; J. Delaney, Slocum Junc., Mich.; T. Hickey, Jackson, Mich.; J. Shields, West Bay City, Mich.; G. W. Dolliver, Niles, Mich.

General office, foot of Third St., Detroit, Mich., and 183 to 189 Dearborn St., Chicago, Ill. Financial department, Grand Central Depot, New York, N. Y.

444 Michigan and Ohio RR.—Allegan to Dundee, 133 miles, with trackage to Toledo, 23 miles. *Now part of Cincinnati, Jackson and Mackinaw RR. System.*

445 Middleburg and Schoharie RR.—Middleburg to Schoharie, 6 miles.

1 G. N. Frisbie.....	*Pres. & Aud*...	Middleburg, N.Y.
2 J. Neville.....	*Vice-President*	" "
3 Peter S. Danforth..	*Treas. & Supt.*	" "
4 Duryea Beckman..	*Secretary*.....	" "
5 G. L. Danforth.....	*Gen. Tkt. Agt*..	" "
6 Theo. Hill.....	*G. Bag. & Fgt A*	" "
7 James Coons.....	*Road Master*...	" "
8 S. Reddick.....	*Chief Engineer*	" "

General office, Middleburg, N. Y.

446 Midland Ry.—Anderson to Lebanon, 45 miles.

1 F. H. Platt.	*President*.....	New York, N. Y.
2 H. Moore	*Sec. & Gen. Supt*	Anderson, Ind.
3 A. A. Bullard.....	*Auditor*	" "
4 E. Cottingham.....	*Chief Engineer*.	Noblesville, Ind.

General office, Anderson, Ind.

447 Midland North Carolina Ry.

See Atlantic Coast Line.

448 Milford and Woonsocket RR.—Ashland to Bellingham, 15 miles; Milford, Franklin and Providence, 5 miles.

1 George Draper.....	*President*	Milford, Mass.
2 James E. Walker..	*Treasurer*.....	" "
3 W. W. Jenckes[1 2 3 4 5 6 7 8 11]	*G.S., F. & P Agt*	" "
4 James R. Davis....	*Clerk*....	" "
5 S. Boone ‡.	*Road Master*...	" "
6 T. H. Eaton.....	*Accountant*....	" "

‡ Car balances settled through Clearing House.

General office, Milford, Mass.

449 Milwaukee, Lake Shore and Western Ry.—Operates 534 miles of road.

1 F. W. Rhinelander	*President*.....	New York, N. Y.
2 F W Rhinelander Jr	*Asst. to Pres't*..	Milwaukee, Wis.
3 Joseph R. Busk...	*Vice-President.*	New York, N. Y.
4 Gordon Norrie....	*Treasurer*	" "
5 Alfred L Cary....	*Sec. & Gen. Sol.*	Milwaukee, Wis.
6 A. D. Allibone[2 4 9 10]	*Asst. Treasurer*	" "
7 H. F. Whitcomb..	*Gen. Manager.*	Kaukauna, Wis.
8 J. Donohue[5].....	*Superintendent*	Milwaukee, Wis.
9 C. V. McKinlay[6]..	*Gen. Pass. Agt.*	" "
10 C. L. Wellington.	*Gen. Fgt. Agt*..	" "
11 E. J. Seymour....	*A. Gen. Fgt. A.*	" "
12 J. S. Jones.....	*Asst. superint.*	Ashland, Wis.
13 Mr. Vandegrift....	*Asst. Superint.*	Kaukauna, Wis.
14 J. T. Howie.....	*Trav. Fgt. Agt.*	Milwaukee, Wis.
15 N. M. Breeze.....	*Trav. Pass Agt*..	" "
16 D. Horrie.....	*Supt. Bu. & Bldgs*	Kaukauna, Wis.
17 Geo. L Young....	*Stationer*	Milwaukee, Wis.
18 E. H. Rummele....	*Chief Engineer*	" "
19 W. R. Hancock[2 7 8 11]	*Auditor*	" "
20 H. W. Reighley...	*Purch. Agent*..	" "

449 Milwaukee, Lake Shore and Western Ry.—*Continued.*

21 John Hickey.....	*Mast. Mech*....	Kaukauna, Wis.
22 J. O. Thayer.....	*Gen. Land Agt.*	Milwaukee, Wis.
23 J. A. Snyder	*Train Dispr*...	Kaukauna, Wis.
24 F. O. Tarbox.. ..	*Train Dispr*...	Ashland, Wis.
25 H. C. Reed.....	*Supt. Teleg* ...	Milwaukee, Wis.
26 J. E. Langlois ...	*Train Master*..	Kaukauna, Wis.
27 C. H. Hartley.....	*Train Master*..	Ashland, Wis.
28 C. A. Cole.....	*Gen. Agent*....	Chicago, Ill.

29 *Road Masters.*—P. Plunkett, Clintonville, Wis.; T. Dwyer, Manitowoc, Wis.; John Collins, Watersmeet, Mich.; Frank Randall, Antigo, Wis.

General office, Milwaukee, Wis. Fiscal Agency, 62 Cedar St., New York, N. Y. Transfer office, National Bank of Commerce, New York, N.Y.

450 Milwaukee and Northern RR.—Schwartzburg to Iron Mountain, 199 miles; branches, 44 miles, and trackage to Milwaukee, 15 miles.

1 Alfred M. Hoyt..	*President*.....	New York, N. Y.
2 James C. Spencer.	*Vice-President.*	Milwaukee, Wis.
3 Guido Pfister.....	*Treasurer*	" "
4 George H. Noyes..	*Sec. & Gen. Sol.*	" "
5 J. C. Spencer[2 6 9 10]	*Asst. Treasurer*	" "
6 C. F Dutton[1].....	*G. Sp. & Pch. A*..	" "
7 H. M. Bell.....	*Asst. Superint.*	Green Bay, Wis.
8 J. C. Forester.....	*Gen. Fgt. Agt*..	Milwaukee, Wis.
9 W. B. Sheardown.	*Gen. Tkt. Agt*..	" "
10 Rob't Toombs[2 7 8 11]	*Auditor*.....	" "
11 N. S. Kimball.....	*Master Mech*...	Ft. Howard, Wis.
12 Allen S. Apgar....	*Transfer Agt*..	New York, N. Y.
13 P. O'Connor.....	*Road Master*...	Ft. Howard, Wis.
14 P. Neugent.....	*Road Master*...	" "
15 W. W. Tabberner.	*Gen. Agent*....	Chicago, Ill.

General office, Milwaukee, Wis. Transfer office (Allen S. Apgar), Merchant's Exchange N. Bank, New York, N. Y.

(*a*) *Ontonagon and Brule River RR.*—Ontonagon to Rockland, 20 miles.

1 Ezra Rust.....	*President*.....	Saginaw, Mich.
2 Angus Smith.... ..	*Vice-President.*	Milwaukee, Wis.
3 Guido Pfister.....	*Treasurer*	" "
4 E. Mariner..... ...	*Sec. & Gen. Sol.*	" "
5 John C. Spencer ...	*Auditor*.....	" "

General office, Milwaukee, Wis.

Locomotive and Car Repair Shops at Ontonagon.

451 Mineral Range RR.—Houghton to Red Jacket, 15.5 miles; branch from Franklin Station to Franklin, 2 miles.

1 George H. Stayner.	*President*.....	New York, N. Y.
2 Henry S. Ives.....	*Vice-President.*	" "
3 H. S. Ogden.....	*Sec. & Tr*.....	" "
4 H. L. Paddock.....	*Auditor*	Hancock, Mich.
5 C. A. Wright.	*Gen. Manager*..	" "
6 R. H. Breisford[3 6]	*G. Fgt. & Pa. A.*	" "
7 Ole Olson	*Road Master*..	" "
8 John Shields.....	*Master Mech*..	" "
9 Henry S. Ives & Co.	*Transfer Agts*	New York, N. Y.

General office, Hancock, Mich. Transfer office, New York, N. Y.

452 Minneapolis Eastern Ry.—North Minneapolis to South Minneapolis, and St. P., M. & M. Ry. to Pillsbury Mills, 3 miles.

1 John S. Pillsbury..	*President*..	Minneapolis Minn
2 C. W. Case.....	*Sec. & Treas*..	" "
3 A. A. Hopkins.....	*Gen. Book-keep.*	" "
4 L. A. Robinson....	*Auditor*	St. Paul, Minn.
5 S. S. Thompson....	*Yard Master*..	Minneapolis Minn

General office, Minneapolis, Minn.

453 Minneapolis, Lyndale and Minnetonka Ry.—Minneapolis to Excelsior, 20 miles; Minnehaha Branch, 4 miles.

1 F. C Pillsbury.....	*President*..	Minn'apolis, Minn
2 H. C. Benedict.....	*Vice-President.*	" "
3 J. K. Sidle.....	*Treasurer*.....	" "
4 Peter S. Mackay[6]..	*Sec. & Auditor.*	" "

☞ *See note of explanation on first page.*

C. M. MITCHELL, President. | FRED. A. MASON, Vice-President and Treasurer. | D. W. KISSAM, Secretary.

Bridgeport Brass Company,

BRIDGEPORT, CONN.

BRASS, GERMAN SILVER, AND COPPER ROLLING AND WIRE MILLS,

ALSO MANUFACTURERS OF

SEAMLESS BRASS AND COPPER TUBES

— AND —

KEROSENE OIL LAMPS AND BURNERS.

Office and Mills at - - Bridgeport, Conn.
Warerooms at - 19 Murray St., New York.

PIONEER BRASS WORKS,

Indianapolis, Ind.

BRASS FOUNDRY.

HEAVY and LIGHT CASTINGS.

CAR BEARINGS AND RAILROAD CASTINGS A SPECIALTY.

☞ *Orders Turned Out Very Promptly.* ☜

110 & 112 S. Penn Street. J. H. BRINKMEYER, Supt.

453 Minneapolis, Lyndale and Minnetonka Ry.—*Continued.*

5 C. G. Goodrich	*Gen. Manager.*	Minn'apolis, Minn
6 John McMullan	*Superintendent*	" "
7 Fred. C. Pillsbury	*G. Pass. & F. A.*	" "
8 G. W. Cooley	*Chief Engineer*	" "
9 J. N. Cross	*Solicitor*	" "
10 W. Tweedie	*Master Mach.*	" "

454 Minneapolis and Pacific Ry.—Minneapolis to Lidgerwood, 218 miles.

1 W. D. Washburn	*President*	Minn'apolis, Minn
2 Thomas Lowry	*Vice-President.*	" "
3 M. P. Hawkins	*Secretary*	" "
4 H. E. Fletcher	*Treasurer*	" "
5 F. D. Underwood	*Gen. Manager.*	" "
6 E. Pennington	*Asst. Supt.*	" "
7 W. W. Rich	*Chief Engineer*	" "
8 C. T. Fox	*Local Treas.*	" "
9 J. G. Taylor	*G.P. & Tk. Agt.*	" "
10 H. L. Shute	*Gen. Ft. Agt.*	" "
11 C. D. Hammond	*Land Agent.*	" "
12 C. W. Gardner	*Auditor*	" "
13 H. W. Hamilton	*Sup. Transp.*	" "
14 C. F. Clement	*Car Serv. Agt.*	" "

General office, Minneapolis, Minn.

455 Minneapolis and St. Louis Ry.—Minneapolis to Angus, 260 miles; Pacific Division, 92 miles; Wisconsin, Minnesota & Pacific RR. 207 miles; other branches, 16 miles; total length, 575 miles.

1 R. R. Cable	*President*	Chicago, Ill.
2 W. H. Truesdale	*Vice-P. & G.M.*	Minn'apolis, Minn
3 J. Gaskell[2 4 9 10]	*Sec. & Treas.*	" "
4 T. E. Clarke	*Superintendent*	" "
5 S. F. Boyd	*G.T. & Pass.A*	" "
6 S. F. Kimball	*Gen. Ft. Agt.*	" "
7 J. D. Marston	*Gen. Bag. Agt.*	Chicago, Ill.
8 R. H. Ripley	*A. Gen. Ft. Agt.*	Minn'apolis, Minn
9 T. J. Hyman[2 7 8]	*Auditor*	" "
10 J. D. Springer	*Gen. Solicitor.*	" "
11 Henry T. Wright	*Paymaster.*	" "
12 W. B. Hixson	*Supt. of Brdgs.*	" "
13 G. F. Wilson	*Master Mech.*	" "
14 R. Angst	*Chief Eng.*	" "
15 P. McElroy	*G. Road Master*	" "
16 W. F. Fox	*Supt. Teleg.*	" "
17 W. B. Palmer	*Purch. Agent.*	" "
18 W. M. Hopkins	*Cont'g. Ft. Agt*	" "
19 J. A. McConnell	*Trav. Pass. Agt*	" "
20 E. D. Parker	*G. N. W. F. Agt.*	St. Paul, Minn.
21 G. H. Webster	*Fm. Car Dept.*	Minn'apolis, Minn
22 W. H. Whittaker	*Fm. Rep. Shops*	Albert Lea, Minn.
23 J. Holtz	*Fm. Rep. Shops*	Fort Dodge, Ia.
24 J. Mercer	*Fm. Paint Shp*	Minn'apolis, Minn

25 *Assistant Road Masters.*—E. Sullivan, Minneapolis, Minn.; D. Connell, Waterville, Minn.; J. Madden, Waseca, Minn.; F. Gibbs, Fort Dodge, Ia.; W. Westfall, Morton, Minn.

26 W. I. Allen	*Train Master.*	Minn'apolis, Minn
27 H. S. Holm	*Train Master.*	Fort Dodge, Ia.
28 Clinton Brooke[11]	*Car Accountant*	Minn'apolis, Minn

456 Minneapolis, Sault St. Marie and Atlantic Ry.—Turtle Lake to Rhinelander, 141 miles.

1 W. D. Washburn	*President*	Minn'apolis, Minn
2 John Martin	*Vice-President.*	" "
3 F. J. Leavenworth	*Secretary*	" "
4 C. H. Pettit	*Treasurer*	" "
5 F. D. Underwood	*Gen. Manager.*	" "
6 C. T. Fox[2 4 9 10]	*Local Treas.*	" "
7 W. W. Rich[8]	*Chief En. & Sp*	" "
8 J. G. Taylor[2]	*G.T. & P.A. & A*	" "
9 H. L. Shute	*Gen. Fgt. Agt.*	" "
10 C D Hammond	*Land Agent*	" "
11 H. W. Hamilton[7 8 11]	*Cr Ac, S T & T D.*	" "
12 Chas. F. Clement	*Car Serv. Agt.*	" "
13 T. A. Fraser	*Mast. Mech.*	" "

General office, Minneapolis, Minn.

457 Minneapolis Union Ry.

See St. Paul, Minneapolis and Manitoba Ry.

458 Minnesota and North-Western RR.—St. Paul to Dubuque, 253.50 miles; Hayfield to Lyle, 28 miles; Sumner to Hampton, 63 miles. Line under construction from Dubuque to Chicago, 167 miles, of which now completed about 100 miles.

1 A B. Stickney	*President*	St. Paul, Minn.
2 C. W. Benson	*Vice-President.*	" "
3 W. B. Bend[2 4 9 10]	*Treasurer*	" "
4 Fred'k G. King	*Ass't Treas.*	New York, N. Y.
5 John I. Thompson	*Sec. & Solicitor*	St. Paul, Minn.
6 W. B. Bend	*Ass't Sec.*	" "
7 Raymond Du Puy	*Gen. Supt.*	" "
8 J. A. Hanley[1 2 6]	*G. Traffic Mgr*	" "
9 T. A. Whitmore	*Ass't Traf. Mgr*	" "
10 F. W. Davis[1 2]	*Auditor*	" "
11 John Daly[7 8 11]	*Car Account't.*	" "
12 Joel May	*Supt. St. P. Div*	" "
13 H. Fernstrom	*Chief Eng.*	" "
14 T. W. Heintzelman	*Mast. Mech.*	" "
15 P. Cowley	*Road Master*	" "
16 Metropolit. Trust C.	*Transfer Agt.*	New York, N. Y.

General office, St. Paul, Minn. Transfer office, Metropolitan Trust Co., New York, N. Y. Repair Shops at St. Paul, Minn.

(*a*) *Chicago, St. Paul and Kansas City Ry.*—Des Moines to Cedar Falls, 107 miles; Waterloo to Hudson, 9 miles; Valeria Coal Branch, 4 miles; Waterloo to Oelwein, 25 miles—total, 145 miles.

1 R. T. Wilson	*President*	New York, N. Y.
2 J. V. Johnson	*Ass't to Pres.*	Marshalltown, Ia.
3 A. B. Stickney	*Vice-President.*	St. Paul, Minn.
4 Geo. C. McMichael	*Gen. Manager.*	Marshalltown, Ia.
5 M. C. Woodruff	*Secretary*	Dubuque, Ia.
6 W. M. Johnson	*Treasurer*	Marshalltown, Ia.
7 W. T. Block	*A.S. & G. & PA*	" "
8 W. L. Dickson	*Auditor.*	" "
9 H. Fernstrom	*Chief Eng.*	St. Paul, Minn.
10 M. C. Wheeler	*Mast. Mech.*	Marshalltown, Ia.
11 C. M. Burnett	*Road Master*	" "

459 Missisquoi Valley Railroad.—St. Albans to Richford, 29 miles.

1 W. C. Smith	*President*	St. Albans, Vt.
2 T. M. Deal	*Superintendent*	" "
3 W. T. Smith	*Sec. & Treas.*	" "

General office, St. Albans, Vt.

460 Mississippi and Tennessee RR.—Memphis to Grenada, 100 miles.

1 E. H. Harriman	*President*	New York, N. Y.
2 F. M. White	*Vice-President.*	Memphis, Tenn.
3 Alfred Decker	*Secretary*	New York, N. Y.
4 S. H. Lamb	*Treasurer*	Memphis, Tenn.
5 M. Burke	*Gen. Supt.*	" "
6 A. J. Knapp	*Gen. F. & T. A.*	" "
7 James A. Sangston	*Gen. Trav. P. A.*	" "
8 J. C. Ramsay	*Master Mech.*	" "
9 S. J. Bolton	*Master Car B'r*	" "
10 J. T. Salter	*Road Master*	Sardis, Tenn.
11 H. G. Coltart[7 8 11]	*Car Account't.*	Memphis, Tenn.

General office, Memphis, Tenn.

461 Missouri, Iowa, and Nebraska RR.—Keokuk to Humeston, 131 miles.

1 T. Thatcher[2 4 9 10]	*Receiver*	Keokuk, Ia.
2 H. F. Clark	*Gen. Manager.*	" "
3 W. S. Speirs	*G. F. & P. Agt.*	" "
4 J. F. Howell[2]	*Aud. & Paym.*	" "
5 E. Dresser[7 8 11]	*Train Master*	Centreville, Ia.

(*a*) *Centreville, Moravia and Albia RR.*—Centreville to Albia Junction, 24 miles.

1 Thomas Thatcher	*Receiver*	Keokuk, Ia.

General office, Keokuk, Ia.

462 Missouri, Kansas and Texas Ry.

See Missouri Pacific Ry. System.

463 Missouri Pacific Ry. System.

GENERAL OPERATING OFFICERS.

1 William Kerrigan	*Gen. Supt.*	St. Louis, Mo.
2 C. G. Warner[2 7 8]	*Gen. Auditor*	" "

☞ *See note of explanation on first page.*

LEWIS FIRE EXTINGUISHERS.

Our No. 2 holds two gallons. Throws a stream 50 feet. Can be kept under pressure ready for use, or put under pressure in 15 seconds. Can be operated from a ladder and in other places where a pump would be useless. Our new lining makes our goods non-corrosive.

In use by Union Pacific, Chicago and Alton, and other railroads.

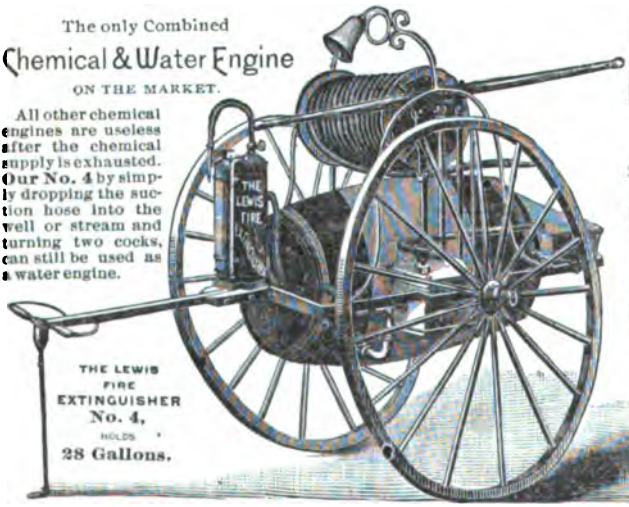
ALWAYS READY FOR USE.

The only Combined

Chemical & Water Engine

ON THE MARKET.

All other chemical engines are useless after the chemical supply is exhausted. **Our No. 4** by simply dropping the suction hose into the well or stream and turning two cocks, can still be used as a water engine.



THE LEWIS FIRE EXTINGUISHER No. 4, HOLDS 28 Gallons.

Original, Practical, Reliable

Fire Engine,

—FOR—

Small Towns, Saw Mills, Lumber Yards, Public Buildings, Asylums, etc.

MANUFACTURED BY

The Lewis Hand Fire Extinguisher Co., Chicago.

For particulars address

THE LEWIS HAND FIRE EXTINGUISHER CO.,

H. LEWIS, General Manager. CHICAGO.

463 Missouri Pacific Ry. System—General Operating Officers.—*Continued.*

3 D. S. H. Smith...	*Local Treas.*...	St. Louis, Mo.
4 W. H. Newman...	*Gen. Traf. Mgr.*	" "
5 Oscar G. Murray..	*Fgt. Traf. Mgr.*	" "
6 W. C. Stith	*Ass't G. Fgt. A.*	" "
7 C. V. Lewis.....	*Ass't G. Fgt. A.*	Kansas City, Mo.
8 J. C. Nicholas.....	*Gen. Bag. Agt.*	St. Louis, Mo.
9 A. Gould.....	*Purch. Agent*..	" "
10 H. McLaughlin...	*Resident Eng*..	" "
11 J. B. Clements....	*Ass't Engineer.*	" "
12 O. A. Haynes.. ...	*Insp. L., C. & M.*	" "
13 C. W. Hequembourg	*Car Serv. Agt.*	" "
14 W. B. Outten.....	*Chief Surgeon.*	" "
15 J. W. King.....	*Paymaster*	" "
16 A. W. Dickinson..	*Su. St. L. Term.*	" "
17 C. W. Hammond..	*Supt. Teleg.* ..	" "
18 R. M. Peck.....	*Supt. Br. & Bu.*	Pacific, Mo.
19 ACV Valkenburg[11]	*Car Account'nt*	St. Louis, Mo.
20 C. H. Dent.....	*Fgt. Claim Agt*	" "

Lines South of Denison and Texarkana.

21 B. W. McCullough	*G. P. & Tkt. A.*	Dallas, Tex.
22 J. E. Galbraith....	*Ass't Gen. F. A.*	" "

Lines North of Denison and Texarkana.

23 H. C. Townsend..	*Gen. P. & T. A.*	St. Louis, Mo.
24 L. A. Emerson...	*Gen. Fgt. Agt.*	" "

Legal Department.

25	*Gen. Solicitor*..	St. Louis, Mo.
26 E. G. Merriam....	*Ass't to G. Sol.*	" "
27 Dillon & Swayne..	*Gen. Counsel* .	New York, N. Y.
28 T. J. Portis.. ..	*Gen. Attorney*.	St. Louis, Mo.
29 Everest & Waggener	*Gen. Attorneys*	Atchison, Kan.
30 Baker, Botts & Bak'r	*Gen. Attorneys*	Houston, Tex.

Passenger and Freight Agents.

31 L. A. Emerson....	*Gen. East. Agt.*	New York, N. Y.
32 W. E. Hoyt.....	*East. Pass. Agt*	" "
33 J. P. McCann.....	*Trav. Pass. Agt*	" "
34 A. H. Torricelli...	*N. E. Agent*...	Boston, Mass.
35 E. M. Newbegin..	*N. E. Trav. Agt*	" "
36 S. H. Thompson..	*Cent. Pass. Agt*	Pittsburgh, Pa.
37 N. R. Warwick....	*Dist. Pass. Agt.*	Cincinnati, O.
38 Coke Alexander..	*Dist. Pass. Agt.*	Indianapolis, Ind.

39 *Travelling Passenger Agents.*—H. D. Wilson, St. Louis, Mo.; H. S. Christopher, J. B. Frawley, Chicago, Ill.; P. J. Crosbie, El Paso, Tex.; T. F. Godfrey, Omaha, Neb.

40 J. E. Ennis.....	*Tr., P. & L. Agt.*	Chicago, Ill.
41 W. H. Morton.....	*Emig. Agt*	St. Louis, Mo.
42 L. E. Drake.....	*So. Trav. Agt.*	Louisville, Ky.
43 F. Ferris	*Com. Agent*...	Chicago, Ill.
44 M. P. Walsh, Jr...	*Com. Agent*...	Cairo, Ill.
45 A. R. Bragg.....	*Div. Fgt. Agt.*.	Little Rock, Ark.

46 *Travelling Freight Agents.*—A. S. White, Cincinnati, O.; R. C. Bradshaw, Kansas City, Mo.; E. B. Lane, Atchison, Kan.; J. A. Wilson, Omaha, Neb.; G. H. Turner, Dallas, Tex.; B. W. Walker, San Antonio, Tex.

47 Thos. F. Fisher....	*Live Stock Agt.*	Dallas, Tex.
48 A. A. Gallagher...	*So. Pass. Agt*..	Chatt'no'ga, Tenn
49 H. P. Hughes.....	*Texas Pass. Agt*	Houston, Tex.
50 G. H. Campbell...	*Com. Agent*....	Galveston, Tex.
51 W. H. Garratt....	*Com. Fgt. Agt.*	Atchison, Kan.
52 C. P. Rector..	*Div. F. & P. A.*	Wichita, Kan.
53 J. H. Lyon.....	*West. Pass. Agt.*	Kansas City, Mo.
54 H. B. Smith, Jr...	*Pac. Coast Agt*	San Francisco, Cal
55 H. C. Logan.....	*Pac. Coast F. A.*	" "
56 J. H. Miller.....	*No. Tex. Pass. A.*	Dallas, Tex.

Corporate and Division Officers.

(*a*) *Missouri Pacific Railway.*—St. Louis to Omaha, 496 miles; with branches, 1,416 miles.

1 Jay Gould	*President*.....	New York, N. Y.
2 George J. Gould..	*Ass't to Pres*...	" "
3 S. H. H. Clark....	*1st V.-P & G. M.*	St. Louis, Mo.
4 A. L. Hopkins....	*2d V.-Pres*....	New York, N. Y.
5 A. H. Calef.....	*Sec. & Treas*...	" "
6 George O. Smith..	*Ass't Secretary*	St. Louis, Mo.
7 D. S. H. Smith[24910]	*Local Treas*....	" "
8 F. B. Drake.....	*Superintendent*	Sedalia, Mo.

9 *Division Superintendents.*—H. G. Clark, St. Louis, Mo.; J. B. Flanders, Pleasant Hill, Mo.; J. W. Dalby, Kansas City, Mo.; T. F. Dunaway, Osawatomie, Kan.; H. M. Flickinger, Fort Scott, Kan.

463 Missouri Pacific Ry. System.—*Continued.*

10 J. D. Gunn.....	*Train Master*..	Chetopa, Kan.
11 Sam'l Hunt.....	*Train Master*..	Conway Spgs, Kan
12 T. H. Fitzpatrick.	*G. Road Master*	Sedalia, Mo.
13 W. McLeod.....	*G. Road Master*	Osawatomie, Kan

14 *Division Road Masters.*—M. Kelly, St. Louis, Mo.; T. Cahill, Washington, Mo.; J. Brant, Jefferson City, Mo.; H. Demander, Holden, Mo.; M. Fallon, Kansas City, Mo.; P. Sheahan, Lexington, Mo.; J. Jamison, Nevada, Mo.; R. Cahill, Osawatomie, Kan.; W. H. Brown, Hiawatha, Kan.; A. L. McLeod, Fort Scott, Kan.; M. Curry, Nevada, Mo.

15 *Assistant Road Masters.*—J. W. Bailey, Independence, Kan.; E. W. Brooks, Ottawa, Kan.; J. H. Welsh, Coffeyville, Kan.; J. Halloran, Geneseo, Kan.

16 L. Bartlett	*Mast. Mechanic*	St. Louis, Mo.
17 S. P. Weller.....	*As. Mast. Mech.*	Sedalia, Mo.
18 W. T. New.....	*As. Mast. Mech.*	Cyprus, Kan.

19 *Foremen of Round Houses.*—W. K. Moir, Chamois, Mo.; F. W. Adams, Holden, Mo.; F. W. Diebert, Pleasant Hill, Mo.; G. P. Fisher, Sedalia, Mo.; A. Gustin, Council Grove, Kan.; A. B. Jackson, Omaha, Neb.; Frank Lewis, St. Louis, Mo.; E. K. Ford, Sedalia, Mo.; J. Wicherton, Pleasant Hill, Mo.; Thomas Davis, Chetopa, Kan.; J. Miller, Fort Scott, Kan.

20 Thomas Fielden..	*Gen. Foreman*.	St. Louis, Mo.
21 W. B. Vermillion	*As. Mast. Mech.*	Holden, Mo.
22 Robert Lister.....	*Trav. Engineer*	Sedalia, Mo.
23 S. Irvin.....	*Mast. Car Bur*	St. Louis, Mo.
24 J. R. Hoff.....	*For. Car Dep*..	Cyprus, Kan.
25 C. A. Humphrey..	*Foreman*.....	Osawatomie, Kan
26 W. H. Hemphill..	*For. Mach. Shps.*	St. Louis, Mo.
27 George Hazen.....	*For Black. Shps*	" "
28 William Bomberg.	*For Boiler Shp.*	" "
29 J. T. Jones.....	*Gen. Foreman*.	Sedalia, Mo.
30 P. K. Church.....	*For. Mach. Shp.*	" "
31 J. Mills.....	*For. Black. Shp.*	" "
32 J. K. Elkins.....	*For. Boiler Shp*	" "
33 J. H. Warner.....	*Gen. Foreman.*	Cyprus, Kan.
34 W. Wilcox.....	*Gen. For. Car D*	St. Louis, Mo.
35 B. E. Thomson....	*For. Pass. Yd.*	" "
36 I. L. Bates.....	*For. Fgt. Yds.*	" "
37 N. H. Parker.....	*Wrecking Fore*	" "
38 J. W. Bland.....	*For. Paint Shp*	" "
39 P. W. Christy.....	*For. Fgt. Rep*..	" "
40 Geo. A. Armstrong	*Gen. Fo. B. & B.*	Holden, Mo.
41 F. W. Tanner....	*Gen. Fo. B. & B.*	Atchison, Kan.

General office, St. Louis, Mo. Transfer office, 195 Broadway, New York, N. Y.

(*b*) *Missouri, Kansas and Texas Ry.*—Hannibal, Mo., to Taylor, Tex., 834 mil s; with branches, 751 miles.

1 Jay Gould.	*President*.....	New York, N. Y.
2 S. H. H. Clark....	*1st V.-P. & G. M.*	St. Louis, Mo.
3 A. L. Hopkins....	*2d V.-Pres.* ...	New York, N. Y.
4 H. B. Henson.....	*Sec. & Treas*...	" "
5 D. Kelso.....	*Land Comm'r*.	Parsons, Kan.
6 J. J. Frey.	*S. No. of Den's'n*	" "
7 W. B. Lyons.....	*As. S. No. of Den.*	Sedalia, Mo.
8 J. W. Maxwell....	*Division Supt*..	Denison, Tex.
9 L. W. Welch...	*Division Supt*..	Parsons, Kan.
10 A. B. Thurston..	*Ass't Engineer*	" "
11 W. T. Kelly.....	*Act'g G. Road M*	" "

12 *Division Road Masters.*—J. B. McDonald, Moberly, Mo.; J. Shaunnessey, Nevada, Mo.; B. F. Blythe, Sedalia, Mo.; E. P. Bracken, Savanna, I. T.; O. McGowan, Dallas, Tex.; M. C. Patton, Whitesboro, Tex.; J. M. Gaunt, Alvarado, Tex.; M. McInnery, Council Grove, Kan.; P. J. Conley, Fort Worth, Tex.; J. C. Burns, Fort Worth, Tex.; G. R. Johnson, Taylor, Tex.; T. O'Brien, Denison, Tex.; W. D. Kennedy, Greenville, Tex.; H. N. Newland, Muskogee, I. Ter.

13 Wm. O'Herin.....	*Mast. Mech*....	Parsons, Kan.
14 C. W. Weller.....	*Gen. F. L. & C. D*	" "
15 James Shone.....	*Fm. Black. Shp*	" "
16 William Gilliss...	*Fm. Boiler Shp*	" "
17 J. M. Shook.....	*Fm. Boiler Shp*	" "
18 A. C. Clarke.....	*Fm. Paint Shp*	" "
19 J. O. Webb.....	*Fm. Tin Shop*.	" "
20 Albert Loucks....	*Fm. Round H.*	" "
21 D. Harvey.....	*Fm. L. & C. Dep.*	Muskogee, I. T.
22 H. T. Peyton... ..	*Fm. L. & C. Dep.*	Hannibal, Mo.
23 Fred. Schraag....	*Fm. Loc. Dept.*	Nevada, Mo.

☞ *See note of explanation on first page.*

THE MARLIN FIRE ARMS COMPANY,

NEW HAVEN, CONN., U. S. A.,

MANUFACTURERS OF THE CELEBRATED

Marlin Repeating and Ballard Single Shot Rifles.

SEND FOR FREE ILLUSTRATED CATALOGUE.

463 Missouri Pacific Ry. System — *Missouri, Kansas and Texas Ry.—Continued.*

24	H. Little	*Fm. Loc. Dept.*	Junct. City, Kan.
25	B. W. Vedder	*Trav. Engineer*	Sedalia, Mo.
26	S. J. Thurber	*Trav. Engineer*	Denison, Tex.
27	Robert Walker	*Fm. Car Rep.*	Sedalia, Mo.
28	W. D. Lowry	*G. F. Car Shp.*	" "
29	R. S. Long	*Fm. Black. Shp*	" "
30	D. Fox	*Fm. Coach Shp*	" "
31	A. Hunicke	*Fm. Paint Shp*	" "
32	G. S. Lander	*Fm. W. M. Shp*	" "
33	J. L. Gold	*Fm. Car Reps.*	" "
34	C. Swanson	*Fm. Tin Shop.*	" "
35	J. Kohlbohn	*Fm. Pass. Yd.*	" "
36	Thomas Eubanks	*Fm. Car Dep.*	Parsons, Kan.
37	James Shields	*Fm. Car Dep.*	Hannibal, Mo.
38	M. Bard	*Fm. Uph. Dept*	Sedalia, Mo.
39	H. C. Gibson	*Gen. F. B. & B.*	Parsons, Kan.
40	C. S. Hazelwood	*Gen. F. B. & B.*	Denison, Tex.
41	G. A. Armstrong	*Gen. F. B. & B.*	Holden, Mo.
42	H. G. Fleming	*Supt. in Texas.*	Palestine, Tex.
43	J. W. Dickinson	*Ass't Supt.*	Denison, Tex.
44	R. J. Duncan	*Ass't Supt.*	Greenville, Tex.
45	T. J. Ray	*Train Master.*	Fort Worth, Tex.
46	T. W. Newell	*M M. No. of Den*	Parsons, Kan.
47	James C. Nicholas	*Train Master.*	Denison, Tex.
48	C. S. McIlvaney	*Gen. Foreman*	" "
49	Charles Clarke	*Gen. Fm. Mach.*	" "
50	G. W. Fielder	*Fm. Round H.*	" "
51	Samuel Stone	*Fm. Black. Shp*	" "
52	J. Geisenhorner	*Fm. Boiler Shp.*	" "
53	John Doyle	*Gen. F. Car Dep.*	" "
54	W. D. Davis	*Fm. Paint Shp.*	" "
55	A. J. Blair	*Day F. F'd H.*	" "
56	W. P. Davis	*Night F. F'd H*	" "
57	William Frazer	*Fm. Round H.*	Alvarado, Tex.
58	F. A. Faker	*Fm. Round H.*	Greenville, Tex.
59	C. W. Clarke	*Master Mech.*	Denison, Tex.
60	G. M. Jarvis	*Res. Engineer.*	Palestine, Tex.

(*c*) *Central Branch Union Pacific RR.*—Atchison, Kan., to Lenora, Kan., 298 miles; branches, 113 miles.

1	Chas. F. Adams, Jr.	*President*	Boston, Mass.
2	Elisha Atkins	*Vice-President.*	" "
3	Henry McFarlane	*Sec. & Treas.*	" "
4	James M. Ham	*As. Sec. & Treas*	New York, N. Y.
5	W. B. Doddridge	*Superintendent*	Atchison, Kan.
6	W. J. Brownson	*Train Master.*	Greenleaf, Kan.
7	M. T. Fitzpatrick	*Div. Road Mast*	Atchison, Kan.
8	J. C. McQuiston	*Div. Road Mast*	Downs, Kan.
9	R. H. Emerson	*Mast. Mech.*	Atchison, Kan.
10	J. M. Weaver	*Div. Mast Mech*	Greenleaf, Kan.
11	J. R. Bassett	*Div. Mast. Mech*	Downs, Kan.
12	Chas. Wincheck	*Fm. L & C Dep*	Atchison, Kan.
13	William Kaley	*Fm. Round H.*	" "
14	F. W. Tanner	*G. F. B. & B Dep*	" "
15	Jos. Blackburn	*Fm. Car Dept.*	" "

(*d*) *St. Louis, Iron Mountain and Southern RR.*—St. Louis to Texarkana, 489 m.; branches, 456 m.

1	Jay Gould	*President*	New York, N. Y.
2	S. H. H. Clark	*1st V.-P. & G.M*	St. Louis, Mo.
3	A. L. Hopkins	*2d V.-President*	New York, N. Y.
4	S. D. Barlow	*Land C. & A Sec.*	St. Louis, Mo.
5	Thomas Essex	*Land C. in Ark*	Little Rock, Ark.
6	J. Herrin	*Superintendent*	St. Louis, Mo.
7	T. W. Kennan	*Div. Supt*	De Soto, Mo.
8	D. Hardy	*Train Master.*	Bismarck, Mo.
9	J. T. Whedon	*Div. Supt.*	Little Rock, Ark.
10	M. L. Freeman	*Train Master.*	Knobel, Ark.
11	J. B. Green	*Train Master.*	Texarkana, Ark.
12	J. T. Foster	*Road Master.*	De Soto, Mo.
13	G. G. Rodgers	*Road Master.*	Poplar Bluff, Mo.
14	G. R. Foster	*Road Master.*	Charleston, Mo.
15	C. Griffin	*G. Road Master*	Little Rock, Ark.
16	A. Ball	*Road Master.*	Walnut Ridge, Ar.
17	M. J. Maloney	*Road Master.*	Newport, Ark.
18	J. D. Winn	*Road Master.*	Forest City, Ark.
19	Con. Pruitt	*Road Master.*	Arkadelphia, Ark
20	J. H. Goodin	*Road Master.*	Hope, Ark.
21	W. H. Harris	*Mast. Mech.*	De Soto, Mo.
22	D. McPherson	*Fm. Round H.*	St. Louis, Mo.
23	Pierce Doyle	*Ass't Fm. R. H.*	" "
24	Wm. Stevenson	*Fm. Frog Shop*	Carondelet, Mo.
25	A. Mummert	*Fm. Round H.*	De Soto, Mo.
26	C. J. Burke	*Ass't Fm. R. H.*	" "

463 Missouri Pacific Ry. System—*St. Louis, Iron Mountain and Southern RR.—Continued.*

27	Thomas Englis	*G. F. Mach. Shp*	De Soto, Mo.
28	L. C. White	*Fm. Black. Shp*	" "
29	D. T. Hurley	*Fm. Boiler Shp.*	" "
30	Gus. Thumser	*Fm. Tin Shop.*	" "
31	Peter Nash	*Fm. Brass Fdy.*	" "
32	William Pratt	*Fm. Round H.*	Poplar Bluff, Mo.
33	E. T. Stone	*Fm. Round H*	Belmont, Mo.
34	Oscar Doolittle	*Master C. Bdr.*	De Soto, Mo.
35	A. E. Henry	*Fm. Coach Shp*	" "
36	H. Painter	*Fm. Car Rep.*	St. Louis, Mo.
37	Patrick Dalton	*Fm. Car Rep.*	Carondelet, Mo.
38	R. C. Wagner	*Fm. Fgt. Shp.*	De Soto, Mo.
39	M. McGrath	*As. Fm. Ft. Shp.*	" "
40	Jerry Ralston	*Fm. Wreck Car*	" "
41	Patrick Lovett	*Fm. Plan. Mill.*	" "
42	J. E. Long	*Fm. Lumb. Yd.*	" "
43	John Devlin	*Fm. Paint Shp*	" "
44	E. K. Pratt	*Fm. Car Reps.*	Bismarck, Mo.
45	John Collins	*Fm. Car Reps.*	Piedmont, Mo.
46	Martin Self	*Fm. Car Reps.*	Poplar Bluff, Mo.
47	Andy Connor	*Fm. Car Reps.*	Charleston, Mo.
48	W. H. Ross	*Fm. Car Reps.*	Bird's Point, Mo.
49	D. McCarthy	*Fm. Car Reps.*	Columbus, Ky.
50	R. M. Richardson	*Mast. Mech.*	Baring Cross, Ark
51	S. P. Fuller	*Gen. Fm. Shop*	" "
52	C. H. Lunday	*Fm. Boiler Shp*	" "
53	A. Coats	*Fm. Car Shop.*	" "
54	Robert Weare	*Gen. Foreman.*	Texarkana, Ark.

(*e*) *International and Great Northern RR.*—Longview to Houston, Tex., 232 miles; Palestine to Laredo, Tex., 415 miles; with branches, 178 miles.

1	Jay Gould	*President*	New York, N. Y.
2	S. H. H. Clark	*1st V.-P. & G.M*	St. Louis, Mo.
3	A. L. Hopkins	*2d V.-President*	New York, N. Y.
4	D. S. H. Smith	*Treas. & Sec.*	St. Louis, Mo.
5	H. B. Henson	*Ass't Treas.*	New York, N. Y.
6	H. G. Fleming	*Superintendent*	Palestine, Tex.
7	W. H. Boyd	*Mast. of Transp*	" "
8	T. L. Holmes	*Train Master.*	Houston, Tex.
9	Thomas Hume	*Train Master.*	San Antonio, Tex
10	J. C. Munro	*Mast. Mech*	Palestine, Tex.
11	B. B. Harrop	*Ass't Mast Mech*	Galveston, Tex.
12	T. Cronin	*Gen. Road Mast*	Palestine, Tex.

13 *Division Road Masters.*—Con. Burke, Troupe, Tex.; E. J. Dailey, Crockett, Tex.; I. L. Thomas, Houston, Tex.; R. Gaunt, Trinity, Tex.; M. Sweeney, Herne, Tex.; T. Daily, Austin, Tex.; J. J. Burke, Pearsall, Tex.

14	L. E. Mitchell	*Gen. Fm. Mach.*	Palestine, Tex.
15	G. W. Shipman	*Gen. Fm. Cars.*	" "
16	S. H. Spangler	*G. Fm. M. & C.*	Taylor, Tex.
17	H. F. Nichols	*G. Fm. M. & C.*	Galveston, Tex.
18	R. W. Gibson	*Fm. Round H.*	Palestine, Tex.
19	Henry Young	*Fm. Round H.*	San Antonio, Tex.
20	W. P. Savage	*Fm. Blacksm.*	Palestine, Tex.
21	Robert Brown	*Fm. Boiler Shp*	" "
22	E. W. McLaughlin	*Fm. Paint Shp*	" "
23	D. C. Munro	*G. Fm. Car Dep.*	" "
24	E. S. Nye	*Fm. Car Rep.*	Houston, Tex.
25	W. T. Edwards	*Fm. Car Rep.*	Trinity, Tex.
26	C. L. Whitescarver	*Fm. Car Rep.*	Palestine, Tex.
27	H. Walter	*Fm. Car Rep.*	Willis, Tex.
28	J. H. Besse	*Fm. Car Rep.*	San Antonio, Tex.
29	A. L. Bowers	*Supt. B. & B.*	Palestine, Tex.
30	Thomas Dean	*Gen. Fm. B. & B*	" "
31	W. E. Baker	*Res. Engineer.*	" "

(*f*) *Galveston, Houston and Henderson RR.*—Houston to Galveston, Tex., 50 miles.

1	W. H. Harding	*President*	Galveston, Tex.
2	W. H. Newman	*Vice-President.*	" "
3	D. S. H. Smith	*Sec. & Treas.*	St. Louis, Mo.
4	H. G. Fleming	*Superintendent*	Palestine, Tex.
5	R. B. Lyle	*Purch. Agt.*	St. Louis, Mo.
6	C. W. Clark	*Mast. Mechanic*	Palestine, Tex.

(*g*) *Sedalia, Warsaw and Southern Ry.*—Sedalia to Warsaw, Mo., 42 miles.

1	Jay Gould	*President*	New York, N. Y.
2	R. S. Hayes	*Vice-President*	St. Louis, Mo.
3	D. S. H. Smith	*Treasurer*	" "
4	J. B. Van Dyne	*Gen. Supt*	Sedalia, Mo.

☞ *See note of explanation on first page.*

THOS. M. CARNEGIE, Chairman | DAVID A. STEWART, Secretary. | HENRY PHIPPS, Jr., Treasurer.

CARNEGIE BROTHERS & CO.,

LIMITED,

PITTSBURGH, PA.

PROPRIETORS OF THE

Edgar Thomson Steel Works,

Located at BESSEMER, ALLEGHENY CO., PA.

On Lines of the PENN'A R. R., BALTO. & OHIO R. R., & P., McK. & Y. R. R.

MANUFACTURERS OF

STEEL RAILS,

BLOOMS AND BILLETS,

GUARANTEED EQUAL TO ANY MADE IN THE UNITED STATES OR EUROPE.

PROPRIETORS OF THE

UNION IRON MILLS,

LOCATED AT THIRTY-THIRD STREET, A. V. R. R., PITTSBURGH, PENN'A,

Manufacturers of

IRON FOR STRUCTURES,

Bridge Iron, Iron Beams, Angles, Bar Iron, Tees,
Channel Bars, Car Truck Channels,
Universal Mill Plates, Light Steel Rails.

SPECIAL ATTENTION GIVEN UNUSUAL SHAPES AND SIZES.

Lithographs of Sections, and Book of Detailed Information, giving Calculations of Strain, etc., furnished to Engineers and Architects on application.

ADDRESS

STEEL DEPARTMENT—Branch Office, 48 Fifth Ave., PITTSBURGH.
IRON DEPARTMENT—Office, Thirty-third Street, PITTSBURGH

NEW YORK OFFICE [Room 1—8th Floor. MILLS' BUILDING.] **21-23 BROAD ST.**

463 Missouri Pacific Ry. System.—*Continued.*

(h) *St. Louis, Fort Scott and Wichita RR.*—Fort Scott to Anthony, Kan., 214 miles; Eldorado to McPherson, 62 miles; Wichita to Eldorado, 47 miles.

1 J. H. Richards....	*V.-P. & Att'y.*..	Wichita, Kan.
2 H. H. Dowland....	*Secretary*.....	" "
3 A. H. Calef.	*Treasurer*.....	New York, N. Y.
4 D. S. H. Smith....	*Local Treas*....	St. Louis, Mo.
5 C. G. Warner.	*Gen. Auditor*..	" "
6 R. Harding.....	*Supt. & Eng*...	Wichita, Kan.
7 W. P. McNair.....	*A.S. & Tr. Mas.*	" "
8 John Gaffney.....	*Road Master*.	Toronto, Kan.
9 Thos. Gaffney ...	*Asst Rd. Mast.*	Fort Scott, Kan.
10 Robt. Sullivan....	*Asst. Rd. Mast*	Eldorado, Kan.
11 H. Borger.....	*M.M. & M.C.B.*	Reece, Kan.
12 J. G. Wright	*Gen. For. B&B.*	Wichita, Kan.

General office, Fort Scott, Kan.

(i) *Wichita and Colorado RR.*—Wichita to Hutchinson, 47 miles.

1	*President*.....	
2 J. H. Richards. ...	*V.-P. & G. Atty*	Wichita, Kan.
3 R. Harding.....	*Supt. & Eng* .	" "
4 D. S. H. Smith.....	*Local Treas*...	St. Louis, Mo.
5 C. G. Warner.....	*Gen. Auditor*..	" "
6 H. C. Townsend...	*G. P. & T. A.*..	" "
7 L. A. Emerson.....	*Gen. Fgt. Agt*.	" "
8 C. P. Rector.....	*Div. F. & P.A.*	Fort Scott, Kan.

464 Missouri Southern RR.—Leeper Station to Keystone, 9 miles.

1 Daniel Goetel	*President*.....	Oil City, Pa.
2 Wm. S. McMullen..	*Vice-President*.	" "
3 C. W. McCrea.....	*Secretary*.....	Leeper, Mo.

General office, Leeper, Mo.

465 Mobile and Alabama Grand Trunk RR.—Mobile to Bigbee Bridge, 56 miles. Not in operation.

1 W. H Pratt.....	*Trustee*.....	Mobile, Ala.

466 Mobile and Girard RR.

See Central RR. of Georgia.

467 Mobile and North-Western RR.—Glendale to Clarksville, 31 miles.

1 Thomas T. A. Lyon.	*President*.....	Glendale, Miss.
2 W. H. Gardner.....	*Vice-President*.	" "
3 L. Brewer.....	*Treasurer*...	" "
4 A. H. Talliaferro...	*Secretary*	" "
5 G. W. Quarles.....	*Gen. P & F. A.*	" "
6 James Mayhew....	*Road Master* ..	" "
7 R. L. Vansant.... .	*Chief Engineer*	" "

468 Mobile and Ohio RR.—Mobile to East Cairo, 493 miles; with branches, 34 miles.

1 W. Butler Duncan.	*President*.....	New York, N. Y.
2 T. M. R. Talcott	*V.-P. & G. M.*.	Mobile, Ala.
3 Henry Tacon[2 4 9 10]	*Treas. & Sec*...	" "
4 George Layet[2]	*Aud. & Comp*..	" "
5 E. L. Russell.	*Gen. Solicitor*..	" "
6 H. S. DePew.....	*Traffic Mgr*....	St. Louis, Mo.
7 J. L. G. Charlton..	*Gen. Pass. Agt.*	" "
8 M. Sweeny.....	*S. Tr. & Pur Agt*	" "
9 G D. Harris.....	*Supt. Mo. Pow.*	Whistler, Ala.
10 D. McLaren	*Supt. Mob. Div.*	Mobile, Ala.
11 Chas. Hamilton....	*Supt. St. L. Div.*	St. Louis, Mo.
12 J. N. Seale.... ...	*M. Tr. Mob. Div.*	Meridian, Miss.
13 J. P. Meredith....	*M. Tr. St. L. Div*	E. St. Louis, Ill.
14 R. D. Christopher.	*In. of Ag. Accts.*	Mobile, Ala.
15 T. W. Newell.....	*M. M. St. L. Div.*	E. St. Louis, Ill.
16 C. M. Shepard ...	*Paym. & Cash'r*	Mobile, Ala.
17 Sumner Hopkins..	*Gen. Wn. Agt*..	Kansas City Mo.
18 J. T. Poe.....	*Gen. Sn. Agt*...	Mobile, Ala.
19 T. J. Whitehead..	*General Agent*.	St. Louis, Mo.
20 R. C. Perkins.....	*Trav. Fgt. Agt.*	Jackson, Tenn.
21 Innis Hopkins....	*G. A.. Pas. Dep.*	St. Louis, Mo.
22 E. D. Spencer.....	*Gen. T. P. Agt.*	Chicago, Ill.
23 John Howard	*Trav. Pass. A.*	Jackson, Tenn.
24 W. G. Martin.. ...	*Trav. Pass. A.*	Kansas City, Mo.
25 R. F. Ray.....	*City Pass. Agt.*	Aberdeen Miss.
26 E. E. Posey	*City Pass. Agt.*	St. Louis, Mo.
27 J. N. Eberle.....	*L. & Imm. Agt.*	" "

468 Mobile and Ohio RR.—*Continued.*

28 *Road Masters.*—E. W. Satterwhite, Mobile, Ala.; M. English, Jackson, Tenn.; R. Boyle, Sparta, Ill.

General office, Mobile, Ala. New York office, 11 Pine St. Registrar of Stock and Debentures, Farmers' Loan and Trust Co., New York, N. Y.

469 Mobile and Spring Hill RR.—Mobile to Spring Hill, 7 miles.

1 Daniel McNeill ...	*President*.....	Mobile, Ala.
2 C. F. Sheldon.....	*Sec Tre. & P A*	" "
3 F. Ingate	*Superintendent*	" "
4 J. E. Smith	*Mast. Car Rep.*	" "
5 R. P. Deshon.....	*Attorney*.....	" "

Locomotive and Car Repair Shops at Mobile, Ala.

470 Moline and South-Eastern RR.—Moline to Coal Valley, 8 miles.

1 Richard Mansill...	*Pres. & Treas.*	Rock Island, Ill.
2 B. B. Saville.	*Vice-P. & Sec*..	" "
3 R. Battersby.....	*Gen. Manager*.	" "

471 Monson RR.—Monson Junction to Slate Quarries, 8 miles.

1 H. A. Whiting... ..	*President*.....	Wilton, N. H.
2 J. F. Kimball	*Treasurer*.	Lowell, Mass.
3 J. F. Sprague.....	*Sec. & Atty*....	Monson, Me.
4 G. A. Mathews	*Gen. Manager*.	" "
5 Warren Nickerson.	*Chief Engineer*	" "

General office, Lowell, Mass. Locomotive and Car Repair Shops at Monson, Me.

472 Mont Alto RR.—Waynesboro to Junction C. V. RR., 18 miles.

1 Thomas B. Kennedy	*President*.....	Chambersb'g, Pa.
2 E. B. Wiestling....	*Sec. & Treas*...	Mont Alto, Pa.
3 G. B. Wiestling[3]....	*Eng. & Supt*...	" "

General office, Mont Alto, Franklin Co., Pa.

473 Montana Union Ry.—Butte to Garrison 52 miles. (Controlled by Union Pacific Ry. Co.)

1 N. J. T. Dana.....	*Pres. & G. M.*	Butte, Mont.
2 Chas. Blackwell....	*Superintendent*	" "
3 R. H. G. Minty	*A. A & G F & T A*	" "

474 Montgomery and Florida Ry.—(Successor to Montgomery Southern Ry.) Montgomery, Ala., to Forkland Station, 40 miles.

1 C. W. Scofield.....	*President*.....	New York, N. Y.
2 M. P. LeGrand.....	*Vice-President*.	Montgomery, Ala.
3 S. D. Hubbard.	*Sec. & Treas*...	" "
4 John D. Roquemore	*Counsellor*.....	" "

General office, Montgomery, Ala.

475 Montour Railroad.—Montour Junction to Imperial, 12 miles.

1 William McCreery.	*President*.....	Pittsburgh, Pa.
2 Wm. M. Short[9 10]	*Sec. & Treas*...	" "
3 C. R. Brown..	*Gen. S. & Pu. A.*.	Imperial, Pa.
4 L. M. Jenkins... .	*Gen. F. & P. A.*	" "
5 C. A. Cooper.....	*Chief Engineer*	Pittsburgh, Pa.
6 H. C. Johnson[11]...	*Car Account't.*	" "
7 Henry Newman....	*Mast. Car Rep.*.	Imperial, Pa.
8 Daniel Mahoney...	*Road Master* ..	" "

General office, Pittsburgh, Pa.

476 Montpelier and Wells River RR.—Montpelier to Wells River, 88 miles.

1 D. R. Sortwell.	*President*.....	E. Camb'ge, Mass.
2 S S. Thompson....	*Vice-President*.	Lyndonville, Vt.
3 Joel Foster	*Clerk & Treas.*	Montpelier, Vt.
4 W. A. Stowell.....	*Superintendent*	" "
5 F W. Morse[2 3 4 7 8 9 10 11]	*C. & G. F. & P. A*	" "
6 C. C. Field	*Mast. of Mach*.	" "
7 E R. Morse	*Road Master*..	" "
8 C. F. Robinson	*Mast. Car Rep.*	" "

General office, Montpelier, Vt.

477 Montreal and Sorel Ry.—Armstrong to St. Lambert, 46 miles.

1 James Armstrong..	*President*.....	Sorel, Que.
2 W. Newhouse.....	*Sec. & Treas* ..	Montreal, Que.

☞ *See note of explanation on first page.*

D. C. BACON, President. M. F. AMOROUS, General Manager.

ATLANTA LUMBER COMPANY,

MANUFACTURERS OF LONG LEAF

Georgia Yellow Pine.

BILLS CUT TO ORDER FOR CARS, BRIDGES AND TRESTLES.

KILN-DRY DRESSED FLOORING AND FINISH.

PRODUCERS OF THE CELEBRATED "A" BRANDS KILN-DRIED FLOORING.

ATLANTA, GEORGIA.

The Mitchell & Rowland Lumber Co.,

MANUFACTURERS OF

WHITE PINE

Bridge Timber,

Norway Pine Car Sills and Decking---Car Roofing and Siding,

And all kinds of WHITE and NORWAY Pine Building Lumber.

THE MITCHELL & ROWLAND LUMBER CO.,

TOLEDO, O.

477 Montreal and Sorel Ry.—*Continued.*

3 C. N. Armstrong[5 9 10]	*Gen. Manager.*	Montreal, Que.
4 Edgar Benjamin....	*Superintendent*	" "
5 E. C. Wurtele[6 7 8 11]	*Gen. P. & F.A.*	" "

General office, Montreal, Que.

478 Montrose Railway.—Montrose to Tunkhannock. 28 miles.

1 James I. Blakslee..	*President*	MauchChunk, Pa.
2 J. R. Raynsford....	*Secretary*	Montrose, Pa.
3 Asa P. Blakslee[2 3 4]	*Tr. G.F.&P.A.*	MauchChunk, Pa.
4 T. G. Walter.....	*Gen. Supt*... ..	Tunkhannock, Pa
5 W. H. Jessup.....	*Gen. Solicitor*..	Montrose, Pa.
6 Felix Ansart.....	*Chief Engineer*	Tunkhannock, Pa

General office, Montrose, Pa.

479 Morgan's Louisiana and Texas RR.

See Southern Pacific Company.

480 Morris County RR.—Charlotteburg to Port Oram, 17 miles.

1 Garrett A. Hobart..	*President*.....	Paterson, N. J.
2 J. L. Cunningham..	*Treasurer*.....	" "
3 Russell T. Low....	*Secretary*.....	" "

General office, Paterson, N. J.

481 Moshassuck Valley RR.—Woodlawn Station to Saylesville, 2 miles.

1 W. F. Sayles.....	*President*.....	Pawtucket, R. I.
2 Charles O. Read....	*Secretary*.....	" "
3 Fred. C. Sayles[2 4] .	*Treasurer* ...	" "
4 George M. Clarke..	*Gen. Supt*.....	Saylesville, R. I.

General office, Saylesville, R. I.

482 Mount Hope Mineral RR.—Mt. Hope to Port Oram, 4 miles.

1 John I. Blair..... .	*President*.....	Blairstown, N. J.
2 E. T. Hatfield.....	*Sec. & Treas*...	New York, N. Y.
3 Samuel Davis.....	*Gen. Supt*.....	Port Oram, N. J.

General office, 52 Wall St., New York, N. Y.

483 Mount Oliver Incline Ry.

1 C. J. Schultz.....	*President*.....	Pittsburgh, Pa.
2 John P. Beach.....	*Sec. & Treas*...	" "

484 Mount Washington RR.—Base to Summit of Mt. Washington, 3.33 miles.

1 John H. George....	*President*.....	Concord, N. H.
2 Frank E. Brown....	*Secretary*	" "
3 Ed. D. Harlow[2 3 9]	*T.&Gen. Tkt. A.*	Boston, Mass.
4 Walter Aiken... ..	*Gen. Manager*.	Franklin, N. H.

General office, 31 Milk St., Boston, Mass.

485 Muskingum County Ry.—Zanesville, O., to connection with B., Z. & C. Ry., 9 miles.

1 H. P. Stutts.....	*President*.....	Zanesville, O.
2 Frank H. Southard.	*Secretary*.....	" "
3 R. D. Schultz... ..	*Treasurer*.....	" "

486 Muskrat Lake and Clam River RR.—Muskrat Lake to Clam River, 8 miles.

1 Alex. V. Mann.....	*President*.....	Muskegon, Mich.
2 Stephen Moore....	*Vice-President*.	PortHuron, Mich.
3 George W. Moore..	*Sec. & Treas* ..	Cadillac, Mich.
4 Fred. T. Moore....	*Gen. Manager*.	Lake City, Mich.
5 J. C. Brewster.. ...	*Chief Engineer*	Frem't Centre, M.

General office, Lake City, Mich. Locomotive and Car Repair Shops at Maux Station, Mich.

487 Nantasket Beach RR.—Old Colony House, Hingham, to Pemberton, Hull, 7 miles.

1 A. W. Moore... ...	*Trustee*.	Boston, Mass.
2 W. H. Jeffrey.....	*Act'g Supt*....	Pemberton, Mass.

General office, Pemberton, Hull, Mass.

488 Nantucket Railroad.—Nantucket to Siasconset, 11 miles.

1 Jonathan Dorr. ...	*President*.....	Boston, Mass.
2 J. H. Norton.. ..	*Treas. & Clerk*.	" "
3 Philip H. Folger[5]...	*Superintendent*	" "
4 W. Veazie....	*Chief Engineer*	" "
5 C. M. Stansbury....	*Mast. Mechanic*	Nantucket, Mass.

General office, 31 Milk St., Boston, Mass.

489 Napanee, Tamworth and Quebec Ry.—Napanee to Tamworth, 29 miles.

1 Alexander Henry..	*President*.....	Napanee, Ont.
2 W. R. Aylsworth..	*Vice-President*.	Deseronto, Ont.
3 W. S. Williams... .	*Secretary*	Napanee, Ont.
4 F. S. Rathbun[2 4]..	*Treasurer*.....	Deseronto, Ont.
5 E. W. Rathbun[1]...	*Gen. Manager*.	" "
6 R. C. Carter[2]... ..	*Asst. Gen. Man.*	" "
7 H. B. Sherwood...	*Su. G.F.&P.A.*	Napanee, Ont.
8 C. A. Milliner.....	*Auditor*.....	Deseronto. Ont.
9 M. J. Butler..... ..	*Chief Engineer*	Napanee, Ont.
10 J. A. Davis.....	*Mast. Mechanic*	Deseronto Ont.
11 E. M. Wallbridge.	*R.M.&F Car R.*	Napanee, Ont.

General office, Deseronto, Ont.

(*a*) *Bay of Quinte Railway and Navigation Co.*—Deseronto Junction to Deseronto, 4 miles.

1 H. B. Rathbun .. .	*President*.....	Deseronto, Ont.
2 E. W. Rathbun	*Vice-President*.	" "
3 F. S. Rathbun[2 3 4]..	*Treasurer*.....	" "
4 W. R. Aylsworth...	*Secretary*.....	" "
5 R. C. Carter[1].	*Gen. Manager*.	" "
6 C. A. Milliner.....	*Auditor*...	" "
7 W. B. McMurrich..	*Solicitor*.....	Toronto, Ont.

Locomotive and Car Repair Shops at Deseronto, Ont.

(*b*) *Deseronto Navigation Co.*

1 E. W. Rathbun	*President*	Deseronto, Ont.
2 W. R. Aylsworth ..	*Vice-President*.	" "
3 F. S. Rathbun.....	*Treasurer*	" "
4 R. C. Carter.....	*Gen. Manager*.	" "
5 C. A. Milliner.....	*Auditor*.....	" "

Locomotive and Car Repair Shops at Deseronto, Ont.

(*c*) *Thousand Islands RR.*—Gananoque to Gananoque Junction, 4 miles.

1 H. B. Rathbun.....	*President*.....	Deseronto, Ont.
2 E. W. Rathbun[1]....	*Vice-President*.	" "
3 F. S. Rathbun[3 4] ..	*Treasurer*.....	" "
4 W. R. Aylsworth ..	*Secretary*.....	" "
5 R. C. Carter[2].... ..	*Gen. Manager*..	" "
6 T. Honley...	*Gen. Tkt. Agt*.	" "
7 G. A. Browne.....	*Auditor*..... ...	Gananoque, Ont.
8 J. A. Davis.... ..	*Mast. Mechanic*	Deseronto, Ont.
9 I. Stalliker.....	*Road Master*..	Gananoque, Ont.

General office, Deseronto, Ont.

490 Narragansett Pier RR.—Kingston to Narragansett Pier, 9 miles.

1 John N. Hazard....	*President*.....	Peacedale, R. I.
2 R. G. Hazard[3].....	*Sec. & Treas* ..	" "
3 G T. Lanphear[5 7 8]	*Supt. & Chf Eng*	" "
4 G. T. Lanphear.....	*Gen. Tkt. & F.A.*	" "
5 P. D. Brennan.....	*Road Master*...	" "

General and Transfer offices, Peacedale, R. I. Locomotive and Car Repair Shops at Peacedale, R. I.

491 Nashville, Chattanooga and St. Louis Ry.—Chattanooga to Hickman, 321 miles; branches, 279 miles.

1 J. W. Thomas	*Pres. & Gen Man*	Nashville, Tenn.
2 J. H. Ambrose....	*Sec. & Treas* ..	" "
3 J. D. Maney[7 8]....	*Comptroller*...	" "
4 R. C. Morris.....	*Chief Engineer*	" "
5 M. J. C. Wrenne[11]	*Superintendent*	" "
6 W. L. Danley[3] ...	*Gen Pass. & T A*	" "
7 George R. Knox ..	*Gen. Fgt. Agt*..	" "
8 J.W. Thomas, Jr..	*Purch. Agent*..	" "
9 H. McDonald.	*Asst. Engineer*.	" "
10 E. Pardon.....	*Asst. Engineer*.	" "
11 James Cullen.....	*Mast. Mechanic*	" "
12 Walter Rosser....	*Road Master*...	" "
13 T. T. Mahoney....	*Road Master*...	" "

492 Nashville and Florence RR.—Columbia, Tenn., to State Line, Ala., 56 miles.

1 J. E. R. Carpenter.	*President*.....	Columbia, Tenn.
2 E. B. Stahlman	*Vice-President*	" "
3 S. S. Eastwood	*Secretary*.....	Nashville, Tenn.
4 J. T. Harahan.....	*Gen. Manager*.	Louisville, Ky.
5 Jas. Geddes.....	*Superintendent*	Nashville, Ky.

☞ *See note of explanation on first page.*

The Atlantic Refining Co.,

DOMESTIC TRADE DEPARTMENT,

OFFICE,

125 Arch St., Philadelphia.

HIGH TEST CARBON OILS

FOR RAILROADS,

A SPECIALTY, 150° to 175° Fire Test.

SOLE MANUFACTURERS OF THE CELEBRATED BRANDS,

Optimus and ◇ Lubricating Oils,

FOR CAR BOXES AND HEAVY JOURNALS.

CONTINENTAL, 150° Fire Test, and ROYAL OIL, 140° Fire Test, in cases or bbls., safe for FAMILY USE.

ENGINE AND CYLINDER OILS.

GASOLINES, All Gravities, from 62° to 105°.

ORDERS WILL RECEIVE PROMPT ATTENTION.

493 Natchez, Jackson and Columbus RR.—Natchez to Jackson, 100 miles.

1 W. T. Martin	*President*	Natchez, Miss.
2 J. C. Schwartz	*Vice-President.*	Columbus, O.
3 Joseph M. Kern[3,4]	*Secretary*	Natchez, Miss.
4 George W. Koontz	*Treasurer*	" "
5 T. S. Williams[6]	*Superintendent*	" "
6 W. H. Lingard	*Gen. Fgt. & P. A*	" "
7 W. H. Lingard[2]	*Gen. Auditor*	" "
8 Joseph T. Pratt	*Mast. Mach*	" "
9 J. G. Enders	*Mast. Car Rep.*	" "
10 T. S. Williams	*S. Brdg. & P. A*	" "
11 J. C. Mandeville	*Road Master*	Martin, Miss.

General office, Natchez, Miss.

494 Natchez, Red River and Texas RR.—Vidalia to Black River, 25 miles.

1 Hiram R. Steele	*Pres. & G. M.*	Vidalia, La.
2 Rufus F. Larnard	*Vice-President.*	" "
3 Isaac Lowenberg	*Sec. & Treas.*	" "
4 G. W. Quarles	*Superintendent*	" "
5 J. H. Scott	*G. F. & P. A.*	" "

495 Naugatuck RR.—Naugatuck Junction to Winsted, 57 miles; Watertown and Waterbury RR., 5 miles; trackage (N. Y., N. H. & H. RR.), 5 miles.

1 W. D. Bishop	*President*	Bridgeport, Ct.
2 Horace Nichols[3,4]	*Sec., T. & T. A.*	" "
3 George W. Beach[5,6]	*Gen. Supt.*	Waterbury, Ct.
4 J. M. Tomlinson	*Gen. T. Agent*	Bridgeport, Ct.
5 L. B. Nickerson	*Freight Agent.*	" "
6 Samuel Wilmot	*Auditor*	" "
7 W. M. Staples	*Chief Clerk*	" "
8 S. M. Burnes	*Supt. of Bdgs.*	Waterbury, Ct.
9 Henry D. Beach	*A. Su. & Su. R. S.*	Bridgeport, Ct.
10 John Eggleston	*Road Master.*	Waterbury, Ct.
11 J. Giles	*For. Car Shop.*	Bridgeport, Ct.
12 D. Gibson	*For. Mach. Shp.*	" "
13 G. W. Luigo	*For. Paint Shp.*	" "

General office, Bridgeport, Conn.

496 Nevada and California RR.—Reno to Oneida, 30 miles.

1 E. L. Heriot	*Manager*	Reno, Nev.
2 Moran Bros	*Owners*	New York, N. Y.

General office, Reno, Nev.

497 Nevada Central Ry.

See Union Pacific Ry.

498 Nevada County Narrow Gauge RR.—Colfax to Nevada City, 23 miles.

1 John F. Kidder[5]	*P., G. M. & C. E.*	Grass Valley, Cal.
2 Peter Johnston	*Vice-President.*	" "
3 Coleman & Glasson	*Treasurers*	" "
4 George Fletcher	*S., A., F. & P. A.*	" "
5 J. C. McCormick	*Mast. Mech.*	" "
6 George Murphy	*M. Car Painter*	" "
7 R. Scanlan	*For. of Track.*	Buena Vista, Cal.
8 D. Scanlan	*For. of Track.*	Grass Valley, Cal.

499 Nevada and Oregon RR.—Reno Northwest, 31 miles. This road is now known as the Nevada and California RR. See 496.

General office, Reno, Nev.

500 New Brunswick Ry.—Gibson to Edmundston, 164 miles; branches and leased lines, 282 miles; total miles, 446.

1 Samuel Thorne	*President*	New York, N. Y.
2 J. Kennedy Tod	*Vice-President.*	" "
3 Alfred Seely[3,4]	*Sec. & Treas.*	St. John, N. B.
4 F. W. Cram[5]	*G. M. & Fgt. A.*	" "
5 J. F. Leavitt[2]	*G. P. & Tkt. Agt*	" "
6 G. A. Haggerty	*Mech. Supt*	McAdam J., N. B.
7 Moses Burpee	*Chief Engineer*	Woodstock, N. B.
8 John Stewart	*Supt. N. Div.*	" "
9 H. D. McLeod	*Supt. S. Div.*	St. John, N. B.

500 New Brunswick Ry.—*Continued.*

10 *Track Masters.*—D. Brown, St. John, N. B.; G. Rainnie, McAdam, N. B.; D. Tapley, Woodstock, N. B.; C. W. Burpee, Grand Falls, N. B.

General office, St. John, N. B. New York Agency. J. Kennedy Tod & Co., 63 William St.

501 New Brunswick and Prince Edward Ry.—Sackville to Port Elgin, 20 miles.

1 Josiah Wood	*President*	Sackville, N. B.
2 C. B. Trueman	*Treasurer*	" "
3 W. C. Milner	*Secretary*	" "
4 I. F. Allison	*Accountant*	" "
5 R. C. Boxall	*Chief Engineer*	" "

502 Newburg, Dutchess and Connecticut RR.—Dutchess Junction to Millerton, 59 miles; and,

503 Clove Branch RR.—Clove Branch Junction to Sylvan Lake, 4 miles.

OFFICERS OF BOTH RAILROADS.

1 J. S. Schultze[2,4,9,6]	*Pres. & Treas.*	Matteawan, N. Y.
2 William A. Wells	*Secretary*	" "
3 C. L. Kimball[5,7,8]	*G. S. & G. Ft. A.*	" "
4 William H. Moore[2]	*G. T. Ag. & Au.*	" "
5 G. D. Holmes	*M. M. & M. C. B.*	Dutchess J., N. Y.
6 B. F. Stowell	*R. M. & Sup. B.*	Matteawan, N. Y.

General office, Matteawan, N. Y.

504 New Castle RR. (and Mining Co.)—New Castle to Coal Centre, 6 miles.

1 Joshua Rhodes	*President*	Pittsburgh, Pa.
2 George Pearson	*V.-P. & G. M.*	New Castle, Pa.
3 T. F. Stryker	*Sec. & Treas.*	" "

General office, New Castle, Pa.

505 New Castle and Butler RR.—New Castle to Grand View, miles.

1 O. H. P. Green	*Pres. & G. M.*	New Castle, Pa.
2 M. S. Marquis	*Treasurer*	" "
3 Geo. W. Johnson	*Secretary*	" "

506 Newfoundland Ry.—St. John's to Salmon Cove, 45 miles.

1 William Bond	*President*	New York, N. Y.
2 C. X. Hobbs	*V.-P. & G. M.*	St. John's, N'f'd.
3 F. W. Allin	*Sec. & Treas.*	New York, N. Y.
4 E. H. Saville	*Auditor*	St. John's, N'f'd.
5 Mason Loomis	*Chief Engineer*	" "

General office, St. John's, Newfoundland.

507 New Haven and Derby RR.—New Haven to Ansonia, 13 miles.

1 J. A. Sperry	*President*	New Haven, Ct.
2 C. L. English	*Vice-President.*	" "
3 Charles Atwater[3,4]	*Tr. & Tran. Ag.*	" "
4 F. E. Harrison[2]	*S. & G. Tkt. A.*	" "
5 E. S. Quintard	*Gen. Supt.*	" "
6 Fred. Quintard	*Gen. Fgt. Agt.*	" "
7 Charles Shelton	*Auditor*	" "
8 John M. Whitock	*M. Ma. & Car R.*	" "
9 D. W. Sharp	*R. M. Supt. B.*	" "
10 E. S. Quintard[7,8]	*M. T. & P. A.*	" "

General office, New Haven, Ct.

508 New Haven and Northampton RR.—New Haven to Conway Junction, 95 miles; branches and leased lines, 78 miles.

1 Charles N. Yeamans	*President*	Westfield, Mass.
2 E. A. Ray[2,3,4]	*T., S. & G. T. A.*	New Haven, Ct.
3 M. C. Parker[7,8]	*Gen. Fgt. Agt.*	" "
4 R. G. Curtis	*P. A. & Asst. Su.*	" "
5 Henry Fox	*Mast. Mech.*	" "
6 John Sweeney	*Sup. Car Repr.*	" "

509 New Jersey and New York RR.—Erie Junction to Stony Point, 33.75 miles; Nanuet and New City RR., 5 miles; leased lines, 1 mile.

1 Valentine L. Lary	*President*	New York, N. Y.
2 Isaac D. Demarest	*Vice-President.*	" "
3 Henry C. Deming	*Sec. & Treas.*	" "

☞ *See note of explanation on first page.*

MERCER RUBBER CO.,

TRENTON, N. J.,

P. O. Drawer 24. MANUFACTURERS OF

Tank, Locomotive, Steam, Fire and Suction Hose,

BRAKE PIPE, CAR SPRINGS, PACKING, VALVES, GASKETS, RINGS, MACHINE BELTING, TUBING, WATER GAUGE WASHERS.

AIR BRAKE HOSE A SPECIALTY.

Our LOCOMOTIVE HOSE is especially made for conveying steam back in the Tanks.

PRICE LISTS AND SPECIAL DISCOUNTS FURNISHED ON APPLICATION.

THE CLEVELAND STONE COMPANY,

CLEVELAND, OHIO.

MANUFACTURERS OF

GRINDSTONES

OF ALL GRITS AND SIZES.

GRINDSTONE FRAMES IN WOOD AND IRON.

HANGINGS OF ALL KINDS.

Bridge Stone in any Quantity. Annual Shipments, 1,500,000 Feet. Refer to Chief Engineers of L. S. & M. S. R. R., C. C. C. & I. R. R., and N. Y. C. & St. L. R. R.

509 New Jersey and New York RR.—*Continued.*

4 J. D. Hasbrouck[1224]	*Gen. M. & Aud.*	New York, N. Y.
5 J. S. Drake	*Supt. & M. M.*	Hillsdale, N. J.
6 L. B. Van Wagnen.	*Mas. Car Bld.*	" "
7 R. W. Jepson	*Fm. Loc. Reps.*	" "
8 L. Doyle	*Road Master*	Westwood. N. J.

General office, foot Chambers St., New York City.

510 New London Northern RR.

See Central Vermont RR.

511 New Mexico and Arizona RR.

See Atchison, Topeka and Santa Fé RR. Co.

512 New Orleans and Carrollton RR.—New Orleans to Carrollton and branches, 17 miles.

1 I. Hernandez	*President*	New Orleans, La.
2 W. V. Crouch	*Treas. & Sec.*	" "
3 C. V. Halle	*Superintendent*	" "
4 John Dahmer	*Chief Engineer*	" "
5 M. Kountz	*Road Master*	" "

513 New Orleans and Gulf RR.—New Orleans to Shell Beach, 30 miles; Poyndras to Point-a-la-Hache, 36 miles (under construction); branches, 3 miles.

1 John R. Elder	*President*	Indianapolis, Ind.
2 Lloyd R. Coleman.	*Vice-President.*	New Orleans, La.
3 M. R Spellman	*Secretary*	" "
4 Lucas E. Moore	*Treasurer*	" "

General office, New Orleans, La.

514 New Orleans and North-Eastern RR.

See Queen and Crescent Route.

515 Newport and Wickford RR.—Wickford Junction to Newport, 3 miles.

1 George M. Miller	*President*	New York, N. Y.
2 A. S. Sherman	*Sec. & Treas.*	Newport, R. I.
3 J. B. Gardiner	*Superintendent*	Providence, R. I.
4 S. B. Gardiner	*Road Master*	Wickford, R. I.

General office, Newport, R. I.

516 Newport News and Mississippi Valley Co.

This company operates under the title Eastern Division, the Chesapeake and Ohio Ry, 501.89 miles, and the Elizabethtown, Lexington and Big Sandy RR., 139.42 miles; and under the title Western Division, the Chesapeake, Ohio and Southwestern RR., 398.48 miles. Total, 1,039.79 miles.

GENERAL OFFICERS.

1 C. P. Huntington	*President*	New York, N. Y.
2 I. E. Gates	*1st V.P. & S. & T.*	" "
3 W. C. Wickham	*2d Vice-Pres.*	Richmond, Va.
4 John Echols.	*3d Vice-Pres.*	Louisville, Ky.
5 Chas. H. Tweed	*Gen. Counsel*	New York, N. Y.
6 Wm. Mahl	*As. to P. & Cont.*	" "
7 John Muir	*Gen. Traffic M.*	" "
8 H. W. Fuller	*Gen. Pas. & T. A*	Louisville, Ky.

CORPORATE AND OPERATING OFFICERS.

(*a*) *Chesapeake and Ohio Ry.*

9 C. P. Huntington	*President*	New York, N. Y.
10 C. Adolphe Low	*1st Vice-Pres.*	" "
11 W. C. Wickham	*2d Vice-Pres.*	Richmond. Va
12 E. T. Tournier	*Sec. & Treas.*	New York, N. Y
13 C E. Wellford	*As. to 2d V.-P.*	Richmond, Va.
14 H. T. Wickham	*Gen. Solicitor*	" "
15 C. H. Bronson	*Auditor*	" "
16 John Garrett	*Cashier*	" "
17 W. M. S. Dunn	*Gen. Supt.*	" "
18 E. D. Hotchkiss	*Gen. Fgt. Agt.*	" "
19 E. T. Smith	*Supt. Trans.*	" "
20 M. L. Lum	*Chief Engineer*	" "
21 T. L. Chapman	*Su. Mot. Power*	" "
22 J. W. Hopkins	*Supt. 1st Div.*	" "
23 H. R. Dill	*Supt. 2d Div.*	Hinton, W. Va.
24 R. Peckham	*Car Account't.*	Richmond, Va.
25 Chas. Lorraine	*Gen. Bag. Agt.*	" "

516 Newport News and Mississippi Valley Co.—*Chesapeake and Ohio Ry.*—*Continued.*

26 M. B. Leonard	*Supt. of Teleg.*	Richmond, Va.
27 A. S. Emmons	*Purch. Agt*	" "

(*b*) *Elizabethtown, Lexington and Big Sandy RR.*

28 A. L. Reid	*President*	New York, N. Y.
29 John Echols	*Vice-Pres.*	Louisville, Ky.
30 I. E. Gates	*Treasurer*	New York, N. Y.
31 W. C. Emery	*Secretary*	" "
32 J. D. Yarrington	*Superintendent*	Lexington, Ky.
33 Wm. Plummer	*Fgt. Agent*	" "

(*c*) *Chesapeake, Ohio and South-Western RR.*

34 C. P. Huntington	*President*	New York, N. Y.
35 John Echols	*Vice-President.*	Louisville, Ky.
36 I. E. Gates	*Sec. & Treas.*	New York, N. Y.
37 H. Cummins	*Chief Attorney.*	Louisville, Ky.
38 C. F. Krebs.	*Asst. to V.-Pres.*	" "
39 J. W. Baird	*Auditor*	" "
40 S. Young	*Cashier*	" "
41 B. F. Mitchell	*G. F. Agent*	" "
42 Jas. L. Frazier	*Superintendent*	" "
43 J. F. Klepper	*Mast. Trans.*	Paducah, Ky.
44 J. W. Luttrell	*Supt. Mach.*	" "
45 A. T. Sabine	*Supt. Road Dept*	Louisville, Ky.
46 H. H. Walton	*Fuel Agent*	" "

Executive office, 23 Broad St., New York, N. Y. General office, Richmond, Va.

517 New York Central and Hudson River RR.—New York City to Buffalo, 442 miles; branches, 267 miles; leased lines, 245 miles; total length, 954 miles.

1 Cor. Vanderbilt	*Ch. of Board*	New York, N. Y.
2 Ch'ncey M. Depew	*President*	" "
3 Charles C. Clarke.	*1st Vice-Pres.*	" "
4 Horace J. Hayden.	*2d V-P. & G T M*	" "
5 James Tillinghast.	*Asst. to Pres.*	" "
6 E. D. Worcester	*Secretary*	" "
7 E. V. W. Rossiter[249]	*Treasurer*	" "
8 John Carstensen	*Asst. Treasurer*	" "
9 Isaac P. Chambers	*Controller*	" "
10 John M. Toucey	*Gen. Supt.*	" "
11 Theodore Voorhees	*Asst. Gen. Supt.*	" "
12 E. Clark, Jr	*Gen. Fgt. Agt.*	" "
13 S. Goodman	*Asst. G. F. Agt*	" "
14 J. R. Collins	*A. G. F. A. (H. D)*	" "
15 Henry Monett	*Gen. Pass. Agt.*	" "
16 E. J. Richards	*Asst. G. P. A.*	" "
17 M. C. Roach	*Gen. E. Pass. A.*	" "
18 Geo. F. Hauford	*Dist. Pass. Agt.*	Albany, N. Y.
19 W. B. Jerome	*Gen. W. Pass. A.*	Chicago, Ill.
20 Edson J. Weeks	*G. A. Pass. Dept.*	Buffalo, N. Y.
21 Walter Katte	*Chief Engineer*	New York, N. Y.
22 Frank Loomis	*Gen. Counsel*	" "
23 C. T. Titus	*Attorney*	" "
24 F. Hinchey	*Tax Agent*	" "
25 W. W. Anstey	*Aud. of Disbrs.*	" "
26 Jos. W. Snow	*As. Aud. of D.*	" "
27 Chas. H. Chambers	*Reg. of Disbrs.*	" "
28 C. H. Kendrick[2]	*Aud. of P. Act.*	" "
29 W. K. Gillett	*As. Aud. P. A.*	" "
30 J. W. Horan	*Aud. F. Accts.*	" "
31 G. E. Adams	*Ass. Aud. F. A.*	" "
32 Charles Reed	*Purch. Agent*	" "
33 J. L. Burdett	*Paymaster*	" "
34 S. K. Rupley	*Supt. Teleg.*	Po'hkeepsie, N. Y.
35 William Buchanan	*Sup. M. P. & R. S*	New York, N. Y.
36 S. McCully	*Gen. Bag. Agt.*	" "
37 William D. Otis	*Gen. Road Mas.*	E. Albany, N. Y.
38 Charles M. Bissell	*S. H. R. & H. D.*	New York, N. Y.
39 Zenas C. Priest	*Supt. L. Div.*	Albany, N. Y.
40 George H. Burrows	*Supt. W. Div.*	Buffalo, N. Y.
41 J. H. Phyfe	*A. S. H. R. & H. D*	New York, N. Y.
42 F. H. Phillips	*As. Supt. E. D.*	Little Falls, N. Y.
43 Henry Goold	*As. S. W. D.*	Buffalo, N. Y.

44 *Master Mechanics.*—Peter McQueen Gibson, West 31st St., New York City; John Ortton, West Albany, N. Y.; S. L. White, Syracuse, N. Y.; A. Gould, East Buffalo, N. Y.

45 *Master Car Builders.*—L. Packard, West Albany, N. Y.; Peter Smith, East Rochester, N. Y.; E. Chamberlain, East Buffalo, N. Y.

☞ *See note of explanation on first page.*

THE LANCASHIRE

INSURANCE COMPANY

— OF —

MANCHESTER, ENGLAND.

UNITED STATES OFFICE:

Nos. 40 & 42 PINE STREET,

NEW YORK.

E. LITCHFIELD, Manager. GEORGE PRITCHARD, Sub-Manager.

THE PENN

MUTUAL LIFE INSURANCE COMPANY,

OF PHILADELPHIA.

ASSETS **$11,500,000.00**
SURPLUS TO MEMBERS **2,250,000.00**

A Purely Mutual Company, conducted solely in the interest of members, and with the object of furnishing the **best** Life Insurance at the **least** cost.

40 YEARS' SUCCESSFUL BUSINESS.

All approved forms of Life and Endowment Policies issued, which become INCONTESTABLE after two years, and are absolutely NON-FORFEITABLE for "reserve" value.

Members who discontinue their payments have the option of an EXTENSION of the original sum insured or a PAID-UP policy.

Home Office: 921 Chestnut St., Philadelphia.

EDWARD M. NEEDLES, President. HENRY C. BROWN, Sec'y and Treas.
HORATIO S. STEPHENS, Vice-Pres. JESSE J. BARKER, Actuary.

517 New York Central and Hudson River RR.—*Continued.*

46 *Road Masters.*—J. Tator, White Plains, N. Y.; J. Teter, West 30th St., New York City; A. W. Eggleston, Poughkeepsie, N. Y.; M. R. Winfield, Albany, N. Y.; G. B. Overbagh, Schenectady, N. Y.; C. F. D. Gardinier, Little Falls, N. Y.; G. F. Angel, Utica, N. Y.; O. W. Clough, Syracuse, N. Y.; B. Bennett, Canandaigua, N. Y.; A. S. Weston, Rochester, N. Y.; W. H. Burns, Batavia, N. Y.; S. Sult, Suspension Bridge, N. Y.; M. Wilder, Buffalo, N. Y.

General office, New York, N. Y.

(*a*) *West Shore RR.*—Weehawken to Buffalo, 426 miles; branches, 81 miles; trackage, 26 miles—total length, 533 miles.

1 C. M. Depew.....	*President*.....	New York, N. Y.
2 Ashbel Green.....	*V.-P. & G. Coun*	Tenafly, N. J.
3 J. D. Layng.	*Gen. Manager.*	New York, N. Y.
4 E. V. W. Rossiter[3]	*Treasurer*	" "
5 I. P. Chambers....	*Controller*.....	" "
6 F. C. Root.	*Auditor Dis*...	" "
7 W. G. Wattson....	*Car Mileage*....	Weehawken, N.J.
8 J. W. Horan.....	*Aud. Fgt. Accts.*	New York, N. Y.
9 C. H. Kendrick[2]..	*Au. Pass. Accts.*	" "
10 J. W. Musson.....	*Traffic Man*....	" "
11 C. W. Bradley	*Gen. Supt*.....	Weehawken, N.J.
12 Lucius Smith.....	*Asst. G. Fgt. A.*	New York, N. Y.
13 Chas. E. Lambert.	*Gen. Pass. Agt.*	" "
14 G. W. Clymans....	*Gen. Bag. Agt.*	Weehawken, N.J.
15 L. S. Greves.....	*Gen. E. Fgt. Agt*	New York, N. Y.
16 A. A. Smith.....	*N. Eng. Pass Ag.*	Boston, Mass.
17 E. J. Weeks.....	*Gen. A. Pass. D.*	Buffalo, N.Y.
18 Charles Reed.....	*Purch. Agent*..	New York, N. Y.
19 Walter Katte.....	*Chief Engineer*	" "
20 S. S. Bogart.....	*S. Tel & Signals.*	Weehawken, N.J.
21 J. P. Bradfield....	*Div. Supt*.....	Kingston, N. Y.
22 D. B. McCoy	*Div. Supt*.....	Newark, N. Y.
23 W. Buchanan...	*Supt. M. P. & R. S.* ...	New York, N. Y.
24 J. M. Boon.....	*As. S. M. P. & R. S.*	Frankfort, N. Y.
25 Thos. Aldcorn.. .	*Mast. Mech*....	New Durham, NY
26 James Macbeth...	*Mast. Mech*....	Buffalo, N. Y.
27 Robert Brock....	*Div. R. M*.....	Kingston, N. Y.
28 John B. Davis. ...	*Div. R. M.* ..	Newark, N. Y.
29 C. C. Clay.....	*Bridge Insp*...	Weehawken, N.J.

General office, Albany, N. Y. New York office, Grand Central Depot.

(*b*) *Dunkirk, Allegheny Valley and Pittsburgh RR.*—Dunkirk to Titusville, 91 miles.

1 E. D. Worcester....	*President*.....	New York, N. Y.
2 D. W. Pardee	*Sec. T. & T. Agt.*	" "
3 W. M. Lester[3 4 7 8 9 10]	*Au. & Local Tr.*	Dunkirk, N. Y.
4 Darwin Thayer[1 2]	*Gen. Supt*.....	" "
5 C. A. Clute	*Asst. Supt*.....	" "
6 J. C. Haggatt.....	*Mast. Mech*	" "
7 J. P. Irwin..... ..	*Road Master*...	Fredonia, N. Y.

518 New York, Chicago and St. Louis Ry.—Buffalo to Grand Crossing, 213 miles; trackage: L. S. & M. S. Ry., 9 miles; N. Y., L. E. & W. R.R., 2 miles.

1 D. W. Caldwell...	*Receiver*.	Cleveland, O.
2 W. K. Vanderbilt.	*President*.....	New York, N. Y.
3 F. W. Vanderbilt.	*Sec. & Treas*...	" "
4 H Hammersley[3 4 9 10]	*Cashier*.....	Cleveland, O.
5 Lewis Williams...	*Gen. Manager.*	" "
6 G. B. Spriggs.....	*Gen. Fgt. Agt.*	" "
7 B. F. Horner. ...	*Gen. Pass. Agt.*	" "
8 J. P. Curry[2 7 8]...	*Auditor*.....	" "
9 S E Williamson.	*Gen. Solicitor*..	" "
10 M. M. Rodgers....	*Purch. Agent*..	" "
11 E. A. Conger.....	*Paymaster*	" "
12 John Mackenzie..	*S. Motive Power*	" "
13 G. T. Williams...	*Supt. Teleg*...	" "
14 James W. Bone[11].	*Car Account't*..	" "
15 L H. King.	*Transfer Agts.*	New York, N.Y.
16 W. G. Purdy....		Chicago, Ill.

Eastern Division.

17 G. H. Kimball.. .	*Superintendent*	Cleveland, O.
18 A. W. Johnson..	*Engineer*.....	" "
19 E. A. Miller.....	*Master Mech*...	Conneaut, O.

518 New York, Chicago and St. Louis Ry.—*Eastern Division.*—*Continued.*

20 C. R. Shepherd. ..	*Supervisor*.....	Buffalo, N.Y.
21 J. N. Marshall....	*Supervisor*.....	Conneaut, O.
22 O. Crossley.....	*Supervisor*....	Cleveland, O.

Western Division.

23 C. D. Gorham...	*Superintendent*	Ft. Wayne, Ind.
24 W. M. Pardee	*Engineer*.....	" "
25 W. H. Lewis.....	*Master Mech*...	Stony Island, Ill.
26 J. H. Callopy.....	*Supervisor*.....	Bellevue, O.
27 Edward Murphy..	*Supervisor*.....	Ft. Wayne, Ind.
28 J. W. Murphy	*Supervisor*...	Valparaiso, Ind.
29 W. McPhail..	*Forem. Loco. R.*	Stony Island, Ill.
30 T. B. Hindel.....	*Forem. Loco. R.*	Conneaut, O.
31 Caleb Gray.....	*Forem. Car Rep*	Stony Island, Ill.
32 C. Tatgenhorst...	*Forem. Car Rep*	Conneaut, O.
33 Samuel McGill....	*Forem. Car P'nt*	Stony Island, Ill.

General office, Cleveland, O. Transfer office, Grand Central Depot, New York, N. Y. Main Shop, Stony Island, Ill.; Engine House and small repairs at Ft. Wayne, Ind., Bellevue, O., Conneaut, O., Cleveland, O., and Buffalo, N. Y.

519 New York City and Northern RR.—High Bridge to Brewsters, 53 miles; West Side and Yonkers RR., 1 mile.

1 Joel B. Erhardt[3 4]	*Rec. & Gen. M*	New York, N.Y.
2 W. H. Rockwell..	*As. to R. & P. A.*	" "
3 R. M. Gallaway...	*President*.....	" "
4 Calvin Goddard...	*Sec. & Treas*...	" "
5 E. B. Edwards[3 7 8 11]	*General Supt*...	HighBridge, N.Y.
6 H. C. Willits[1].....	*Traffic Mgr*....	New York, N.Y.
7 H. K. Batcheller[2 9 10]	*Aud. & Cashier*	" "
8 Thomas Millen...	*Master Mach*..	HighBridge, N.Y.
9 C. P. Curtis.....	*Master Transp.*	" "
10 H. C. Moore.. ...	*Road Master*..	" "
11 L. W. Hewitt.....	*Forem. Mach. S.*	" "
12 J. J. Mann.....	*Forem. Car Sh.*	" "
13 C. Smart.	*Forem. P'nt Sh.*	" "

General office, Pier 40, East River, New York, N.Y.

520 New York and Greenwood Lake Ry.
See New York, Lake Erie and Western RR.

521 New York, Lake Erie and Western RR.

1 John King.....	*President*.. ...	New York, N.Y.
2 S. M. Felton, Jr..	*1st Vice.-Pres*..	" "
3 Andrew Donaldson	*3d Vice.-Pres*..	" "
4 A. R. Macdonough	*Secretary*.. ...	" "
5 Edwd. White[3 4 9 *]	*Treasurer*.. ..	" "
6 W. B. Bancker....	*Ass't Treas* ...	" "
7 R. H. Soule.....	*Gen. Manager.*	" "
8 B. Thomas..... ..	*General Supt* ..	Jersey City, N.J.
9 George H. Vaillant	*Fgt. Traf. Man.*	New York, N.Y.
10 George W. Ristine	*Ass't F. T. Man.*	Chicago, Ill.
11 John S. Hammond	*Gen. Fgt. Agt*..	New York, N.Y.
12 J. M. Sawyer.	*Ass't Gen. F. Ag*	" "
13 H. B. Chamberlain	*Fgt. Claim Agt.*	" "
14 J. M. Drill...	*Coal Fgt. Agt*..	" "
15 L. P. Farmer.....	*Gen. Pass. Agt.*	" "
16 W. Farrington....	*Auditor*... ..	" "
17 C. W. Bucholz....	*Eng. Br. & Bu.*	" "
18 J. J. Post.. ...	*Gen. Bag. Agt.*	" "
19 E. P. Campbell...	*Aud. of Traffic*	" "
20 A. T. Cuddeback.	*Trav. Auditor.*	" "
21 Newton S. Rutter.	*Aud. Disburs*..	" "
22 W. G. Tuller.....	*Purch. Agent*..	" "
23 Geo. F. Geagan...	*G. Live Stock A.*	" "
24 Jas. A. Buchanan	*Attorney*.....	" "
25 W. I. Holmes.....	*Supt. of Teleg*..	New York, N.Y.
26 M. E. Staples.....	*Supt. of Ferries*	" "
27 F. A. de Bremon..	*As. S. of Ferries*	" "
28 John W. Cloud...	*Supt. Mot. Pow.*	Buffalo, N.Y.
29 A. F. Hall..	*Supt. Bag. & Ex*	New York, N.Y.
30 S. R. Johnston....	*Gen. Road Mast*	" "

Passenger Agents.

31 Jas. Buckley.....	*Gen. East. Agt.*	New York, N.Y.
32 C. V. V. Ward. .	*Division Agt*..	" "
33 O. W. Jordan.....	*New Eng. Agt.*	Boston, Mass.
34 N. Van Horn.....	*Gen. S.-E. Agt.*	Philadelphia, Pa.
35 W. C. Rinearson..	*Gen. No. P. Agt.*	Buffalo, N.Y.
36 H. J. Ball..	*Division Agt*..	Elmira, N.Y.
37 W. G. Mason.....	*Division Agt*..	Bradford, Pa.

☞ *See note of explanation on first page.*

F. G. STARK, Pres. W. T. HAARSTICK, Vice-Pres. GEO. MINCH, Sec'y and Treas.

STARK NUT-LOCK CO.,

FOR

Track, Frogs, Cars, Locomotives, Bridges, etc., etc.

☞ In use on 60 Railways, and has Never Failed to do the work.

This Device Absolutely Stops all Wear on Thread.

Works: NEW YORK, ST. LOUIS.

Main Offices: 918 and 920 North 2d Street, St. Louis, Mo.

Branch Offices: New York, Stewart Building; Chicago, Adams Express Building.

THOMAS J. POPE & BRO.,

292 PEARL STREET, NEW YORK,

DEALER IN

Ferro-Manganese, Spiegeleisen, Bessemer Iron, etc.

AGENTS FOR

The Oxford Copper and Sulphur Co., New York Copper Works.

Cake and Ingot Copper for sale. Pig Lead and Pig Tin. Buy and sell Old and New Iron and Steel Rails, Old Car Wheels, etc. Correspondence solicited.

IRON and STEEL BLOOMS, BILLETS and SLABS.

521 New York, Lake Erie and Western RR.—*Continued.*

38	W. H. Hurlburt	*Gen. West. Agt.*	Chicago, Ill.
39	J. G. McCall	*Pac. Coast Agt.*	San Francisco, Cal
40	J. B. Loveland	*European Agt.*	Liverpool, Eng.

Eastern Division.—Jersey City to Port Jervis, 87 miles; branches, 129 miles.

41	J. H. Barrett	*Superintendent*	Jersey City, N.J.
42	J. H. Vreeland	*Mast. Mech.*	" "
43	J. W. Mileham	*For. Car Rep.*	" "
44	R. P. Staats	*Road Master*	" "

Delaware Division.—Port Jervis to Susquehanna, 105 miles; branches, 63 miles.

45	E. Van Etten	*Superintendent*	Port Jervis, N.Y.
46	J. Van Vechten	*Master Mech.*	" "
47	W. L. Derr	*Road Master*	" "

Susquehanna Division.—Susquehanna to Hornellsville, 139 miles.

48	A. M. Tucker	*Superintendent*	Elmira, N.Y.
49	V. Blackburn	*Master Mech.*	Susquehanna, NY
50	D. B. Goodell	*G. For. Car Rep.*	Elmira, N.Y.
51	J. D. Schultz	*Road Master*	" "

Buffalo Division.—Hornellsville to Buffalo, 91 miles; branches, 40 miles.

52	W. J. Murphy	*Superintendent*	Buffalo, N.Y.
53	William Litz	*Master Mech.*	" "
54	Robert Gunn	*For. Car Shops.*	" "
55	W. A. Heisler	*Road Master*	" "

Buffalo and South-Western Division.—Buffalo to Jamestown, 68 miles.

56	C. A. Brunn	*Superintendent*	Meadville, Pa.
57	William Litz	*Master Mech.*	Buffalo, N.Y.
58	J. M. Larned	*Road Master*	Meadville, Pa.

Rochester Division.—Corning to Rochester, 95 miles; branches, 65 miles.

59	W. H. Starr	*Superintendent*	Rochester, N.Y.
60	G. H. Paine	*Road Master*	" "

Western Division.—Hornellsville to Dunkirk, 128 miles; branches, 65 miles.

61	W. B. Coffin	*Superintendent*	Hornellsville, NY
62	J. Hawthorne	*Master Mech.*	" "
63	G. H. Thompson	*Road Master*	" "

General office, Coal and Iron Exchange, New York, N.Y.

(*a*) *New York, Pennsylvania and Ohio RR.*—Salamanca to Dayton, 389 miles; branches, 163 miles.

1	J. R. Shaler	*General Supt.*	Cleveland, O.
2	G. G. Cochran	*Gen. Fgt. Agt.*	" "
3	H. C. Hastings	*As. G. Fgt. Agt.*	" "
4	A. E. Clark	*As. G. Pa. Agt.*	" "
5	H. C. Thompson	*Gen. Road Mast.*	" "
6	J. B. Shaw	*Supt. Teleg.*	Jamestown, N.Y.
7	C. D. Ward	*Trav. Auditor.*	
8	S. V. Smith	*G. Fm. Car Sh.*	Kent, O.
9	J. H. Dynes	*G. L'd & Tax A.*	Cleveland, O.
10	B. F. Popple	*G. En. Pas. Agt.*	New York, N.Y.
11	D. E. Holmes	*G. So. Pas. Agt.*	Cincinnati, O.
12	F. H. Garfield	*Div. Pass. Agt.*	Jamestown, N.Y.
13	W. W. Dunnavant	*Div. Pass. Agt.*	Warren, O.

Eastern Division.

14	C. A. Brunn	*Superintendent*	Meadville, Pa.
15	J. A. Cooper	*Master Mech.*	" "
16	D. S. Dockstader	*Fm. Car Rprs.*	" "
17	T. G. Armstrong	*Road Master*	Jamestown, N.Y.
18	J. W. Alsop	*Road Master*	Meadville, Pa.
19	H. McManus	*Road Master*	Corry, Pa.
20	J. M. Larnard	*Road Master*	Buffalo, N.Y.

Western Division.

21	Geo. W. Bartlett	*Superintendent*	Galion, O.
22	C. J. Clifford	*Master Mech.*	" "
23	George Wilson	*Fm. Car Rprs.*	" "
24	J. Newham	*Road Master*	Kent, O.
25	A. G. Lusk	*Road Master*	Akron, O.
26	M. J. McInarna	*Road Master*	Mansfield, O.
27	D. Ryan	*Road Master*	Dayton, O.

521 New York, Lake Erie and Western RR.—*Continued.*

Mahoning Division.

28	J. F. O'Brien	*Superintendent*	Youngstown, O.
29	G. W. West	*Master Mech.*	Cleveland, O.
30	C. N. Thorp	*Mst. Car Rprs.*	" "
31	P. Collopy	*Road Master*	" "
32	E. Collopy	*Road Master*	Youngstown, O.

General office, Cleveland, O. Transfer office, Farmers' L. & T. Co., New York, N.Y.

(*b*) *New York and Greenwood Lake Ry.*—Jersey City to Greenwood Lake, 48 miles; Orange Branch, 4 miles.

1	Abram S. Hewitt	*President*	New York, N.Y.
2	S. M. Felton, Jr.	*Vice-President.*	" "
3	A. R. Macdonough	*Secretary*	" "
4	T. Bowne	*Treasurer*	" "
5	J. H. Barrett	*Superintendent*	Jersey City, N.J.
6	W. B. Parsons, Jr.	*Road Master*	" "
7	F. A. Stinard	*Master Mech.*	Pompton Junc NJ

General office, Pavonia Avenue, Jersey City, N.J.

(*c*) *Tioga Railroad.*—Elmira to Hoytville, 62 miles.

1	John King	*President*	New York, N.Y.
2	A. R. Macdonough	*Secretary*	" "
3	E. White	*Treasurer*	" "
4	A. M. Tucker	*Superintendent*	Elmira, N.Y.
5	J. D. Schultz	*Chief Engineer*	Blossburg, Pa.
6	W. G. Tuller	*Purch. Agent*	New York, N.Y.
7	E. Gavigan	*Road Master*	Blossburg, Pa.
8	Perez Bonny	*Master Mach.*	" "
9	D. H. Stratton	*Mast. Car Rprs.*	" "

General office, 21 Cortlandt St., New York, N.Y.

(*d*) *Barclay Coal RR.*—Barclay to Towanda, 16 miles.

1	Edward M. Davis	*President*	Chelton Hills, Pa.
2	J. R. Claghorn	*Vice-President.*	Philadelphia, Pa.
3	Harvey Shaw	*Sec. & Treas.*	Norristown, Pa.
4	R. T. Dodson	*Supt. & C. E.*	Barclay, Pa.
5	Daniel McCarthy	*Master Mech.*	Foot of Plane, Pa.
6	H. H. Bentley	*Road Master*	Towanda, Pa.

General office, 154 South Fourth St., Philadelphia, Pa.

(*e*) *New York, Lake Erie and Western Coal and RR. Co.*—Crawford Junction to Johnsonburg, 30 miles; branches, 28 miles.

1	J. K. P. Hall	*President*	Ridgway, Pa.
2	Edward White	*Treasurer*	New York, N.Y.
3	A. R. Macdonough	*Secretary*	" "
4	W. B. Coffin	*Div. Superint't.*	Hornellsville, N Y

General office, Scranton, Pa.

522 New York and Long Branch R.R.—Perth Amboy to Bay Head Junction, 28 miles. Operated jointly by Philadelphia & Reading and Pennsylvania RR. Cos.

1	H. S. Little	*President*	New York, N.Y.
2	A. Reckless	*Sec. & Treas.*	" "
3	Rufus Blodgett[3]	*Superintendent*	Long Branch, N.J.
4	L. D. Bruyn	*Res. Engineer*	Red Bank, N.J.
5	Thomas D. Maurer	*Auditor*	Long Branch, N.J.
6	W. H. Marshall	*Track Master*	Red Bank, N.J.
7	G. H. Grace	*Supt. Teleg.*	Phillipsburg, N.J.

523 New York and Massachusetts RR.—Poughkeepsie to Boston Corners, 40 miles. (Late Poughkeepsie, Hartford & Boston RR.)

1	Geo. P. Felton	*President*	Poughkeepsie NY
2	Henry D. Cone	*Vice-President.*	Stockbridge, Mass
3	Edward Elsworth	*Sec. & Treas.*	Poughkeepsie NY
4	J A Perkins[1]2[3]4[5]6[7]8[9]10	*Sup. G. F. & P. A.*	" "
5	J. L. Donaldson	*Master Mech.*	" "
6	J. D. Neal	*Road Master*	" "

524 New York and New England RR.—Boston to Hopewell Junct., 215 miles; branches, 111 miles; leased lines and trackage, 145 miles—total mileage, 471.

1	J. A. Bostwick	*President*	New York, N.Y.
2	Wm. P. Shinn	*Vice-President.*	Boston, Mass.
3	J. W. Perkins	*Sec. & As. to Pres.*	" "
4	*Geo. B. Phippen[3]	*Treasurer*	" "

☞ *See note of explanation on first page.*

MISSISSIPPI GLASS CO.,

St. Louis, Mo.,

Manufactures White and Colored

Skylight Glass,

FROM ⅛-INCH TO ⅜-INCH THICK,

FOR ROOFS, SIDINGS AND PARTITIONS OF DEPOTS, WORKSHOPS AND OFFICES OF RAILROADS.

ALSO,

Ondoyant and Cathedral Glass and Crown Discs,

FOR DECKLIGHTS AND INTERIOR DECORATIONS OF CARS.

☞ *Designs and Samples furnished when desired.*

LOUIS HEIDT & BROS.,

MANUFACTURERS OF

Opalescent, Mosaic and Venetian

WINDOW GLASS,

Tiles, Disks, Bull's Eyes, Jewels, Glass Canes,

COR. BOERUM & WHITE STS., BROOKLYN, L.I.

Make Specialty of Railroad Car Deck Lights in all Colors and Sizes.

SAMPLES SENT ON APPLICATION.

524 New York and New England RR.—*Continued.*

5 G. W. Little.....	*Paymaster* ...	Boston, Mass.
6 A. A. Jackson....	*General Supt*..	" "
7 A. C. Kendall. . .	*Gen. Pass. Agt.*	" "
8 GeorgeH.Williams	*Gen. Fgt. Agt*..	" "
9 J. A. Shinn.....	*Auditor*.....	" "
10 G. F. Ingalls	*Gen. Bag. Agt.*	" "
11 L. B Blawell....	*Chief Engineer*	" "
12 W. W. McKim....	*Purch. Agent*..	" "
13 J. B. Henney..	*Supt.Mot.Pow*.	" "
14 L. W. Palmer.....	*Supt.Prov.Div.*	Providence, R. I.
15 R. E. Evenson....	*Supt.East.Div.*	Boston, Mass.
16 Elliot Holbrook...	*Supt.Hart.Div.*	Hartford, Conn.
17 P. St. M. Andrews	*Su. N.&W.Div*	Norwich, Conn.
18 E. H. Tucker.....	*Supt.WoonDiv.*	Needham, Mass.
19 C. H. Platt	*Supt.West. Div.*	FishkillLdg,N.Y.
20 G. L. Perkins[3 4]..	*Treas. No. Div.*	Norwich, Conn.
21 E. T. Clapp[1 2]....	*Sec. Nor. Div*	" "
22 T. F. Leavitt	*Div. Fgt.Agent*	Boston, Mass.
23 A. G. Tuttle.....	*Div. Fgt.Agent*	Hartford, Conn.
24 George H. Harris.	*Div. Fgt.Agent*	Norwich, Conn.
25 E. E. Pratt.....	*Mast. Car Bldr*.	NorwoodCtrl, Ms
26 G. L. Laug.....	*Supt. Teleg* ..	Boston, Mass.
27 S. S. White.....	*Must.Brg.Bldr*	Putnam, Conn.
28 W. H. Griggs.....	*Master Mech*...	NorwoodCtrl, Ms
29 E. M. Humstone..	*Master Mech*...	Hartford, Conn.
30 S. T. Whaley. ..	*Master Mech*...	Norwich, Conn.

31 *Supervisors.*—A. Goss Franklin, Mass; G. E. Daggett, Willimantic, Conn.; Charles Brown, Manchester, Conn.; H. N. Hammond, Washington, R. I.; A. C. Woodworth, Needham, Mass.; David Toomey, Norwich, Conn.

32 W. G. Taber.....	*Shop Foreman*.	Boston, Mass.
33 M. D. Cole.....	*Shop Foreman*.	Providence, R. I.
34 W. M. Cole	*Shop Foreman*.	Woonsocket, R.I.

General office, 244 Federal St., Boston, Mass.

(*a*) *Norwich and Worcester RR.*

1 Francis H. Dewey	*President*.....	Worcester, Mass.
2 George L. Perkins.	*Treasurer*....	Norwich, Conn.
3 Edward T. Clapp.	*Sec. & D. T. A.*	" "
4 P. St. M. Andrews	*Supt. & Mang*.	" "
5 W. W. McKim ...	*Purch. Agent**.	" "
6 S. D. Billings.....	*Master Car Rep*.	" "
7 Stephen F. Whaley	*Master of Mach*	" "
8 M. M. Whittemore	*Auditor*	" "
9 G. A. Harris.....	*Div. Fgt. Agt*..	" "
10 James E. Hart...	*Supt. of Bdgs*..	" "
11 David Toomey..	*Road Master* ..	" "
12 Second Nat. Bank	*Transfer Agent*	Boston, Mass.

* On requisition from P. St. M. Andrews.

525 New York, New Haven and Hartford RR.—Williamsbridge to Springfield, 123 miles; branches, 17 miles; leased lines, 125 miles.

1 Charles P. Clark..	*President*.....	Newton, Mass.
2 O. M. Shepard....	*General Supt*..	NewHaven,Conn.
3 Edward M. Reed..	*Vice-President*.	" "
4 W. L. Squire[3 *]..	*Treasurer*.....	New York, N.Y.
5 W. D. Bishop, Jr.	*Secretary*.. ..	Bridgeport,Conn.
6 W. E. Barnett....	*Executive Secy*.	New York, N.Y.
7 W. H. Turner..	*Sp. N. Y. & N. H. D.*	" "
8 C. S. Davidson....	*Supt.Hart.Div.*	Hartford, Conn.
9 W. A. Waterbury.	*SuptS&A Lines*	NewHaven,Conn.
10 H. Kochersperger	*Controller*	" "
11 C. T. Hempstead[2].	*G.Ps.&Tkt.A.*	New York, N.Y.
12 Charles Rockwell.	*Gen. Fgt. Agt*.	NewHaven,Conn.
13 N. A. Wilcox. ..	*Ass't Fgt. Agt*.	" "
14 S. C. Fleetwood[7 8]	*Auditor*.....	New York, N.Y.
15 JohnEBuddington	*Chief Engineer*	NewHaven.Conn.
16 Henry A. Bishop..	*Purch. Agent*..	" "
17 J. Henney, Jr....	*Supt. Mot.Pow*.	" "
18 J. Denver.....	*Must. Car Dept*.	" "
19 A. S. May.....	*Transfer Clerk*	New York, N.Y.
20 James Searles....	*Gen. Bag. Agt*.	" "

21 *Road Masters.*—J. C. Clarke (Asst.), Stamford, Conn.; J. L. Lane, Hartford, Conn.; M. E. Cook, Guilford, Conn.

525 New York, New Haven and Hartford RR.—*Continued.*

22 *Superintendents of Bridges.*—John E. Fuller, Bridgeport, Conn.; B. K. Mason, Hartford, Conn.; R. P. Hutchison, Guilford, Conn.; H. D. Franklin, Middletown, Conn.

23 O. C. Lackey.	*M.M.Hart.Div*.	Hartford, Conn.
24 J. Whitmore.....	*M.C.B.Hart.D*.	" "

General office, Grand Central Depot, New York, N.Y.

526 New York, Ontario and Western Ry.—Oswego to Cornwall, 273 miles; branches, 47 miles; leased (Utica, Clinton & Binghampton and Rome & Clinton RRs.), 44 miles; trackage (West Shore Ry.), 58 miles.

1 Thomas P. Fowler	*President*.....	New York, N.Y.
2 Joseph Price.	*Vice-President*.	London, Eng.
3 Thos. Swinyard...	*Ass't to Pres*...	New York, N.Y.
4 John Burton.	*Treas. & Sec*..	" "
5 J. E. Childs.....	*Gen. Manager*.	" "
6 J. C. Anderson. .	*G. F. & P. A*..	" "
7 E. Canfield..... ..	*Supt. So'n Div*.	Middletown,N.Y.
8 C. W. Lanpher....	*Supt. No'n Div*.	Norwich, N.Y.
9 R. D. Rickard....	*Purch. Agent*..	Middletown,N.Y.
10 J. B. Kerr.	*Attorney*... ..	New York, N.Y.
11 John Fleming....	*Transfer Agt*..	" "
12 Geo. W. Clymans.	*Gen. Bag. Agt*.	Weehawken,N.J.
13 Jas. McQueen....	*Car Accountant*	Middletown,N.Y.
14 S. S. Bogart.....	*Sup. Telegraph*	Weehawken,N.J.
15 E. Minshull...	*Master Mech*...	Middletown,N.Y.

General office, 16 and 18 Exchange Place, New York, N.Y. Registrar of Stock, The Mercantile Trust Co., New York, N.Y., and Registry Office, London, England. English Association of American Bond and Shareholders, Limited, 5-6 Great Winchester St., London, England.

527 New York, Pennsylvania and Ohio RR.

See New York, Lake Erie and Western RR.

528 New York, Philadelphia and Norfolk RR.

See Pennsylvania Company.

529 New York, Pittsburgh and Chicago Ry.

See Pittsburgh, Marion and Chicago Ry.

530 New York, Providence and Boston RR.—Providence to Groton, 63 miles; branches, 20 miles.

1 Samuel D.Babcock	*President*... ..	New York, N. Y.
2 George M. Miller..	*Vice-President*.	" "
3 A.R.Longley,Jr.[3 4]	*Sec. & Treas*.*.	Stonington, Ct.
4 J. W. Miller.....	*Gen. Manager*..	New York, N. Y.
5 J. B. Gardiner ...	*Superintendent*	Providence, R. I.
6 J. M. Williams....	*Gen. Fgt. Agt*..	" "
7 O. H. Briggs.....	*Gen. Tkt. Agt*.	" "
8 W. D. Basley[2 7 8].	*Gen. Auditor*..	Stonington, Ct.
9 F. B. Noyes.....	*Paymaster*. ..	" "
10 J. L. Hayden	*Purch. Agent*..	" "
11 E. P. Dawley.....	*Engineer*	Providence, R. I.
12 L. M. Butler	*Master Mech*...	" "
13 S. A. Wheeler.....	*Road Master*...	" "

General office, Stonington, Ct.

531 New York and Sea Beach Ry.—Bay Ridge to Coney Island, 6 miles.

1 Alrick H. Man[3 4]	*Man. Director, Sec. & Treas*.	New York, N.Y
2 B. B Lawrence ..	*Gen. Manager*..	" "
3 Jas. T. Nelson[1 2 5 6]	*A.G.P.F&P.A*	" "
4 Orrin R Whitney..	*S. & Mas.Mech*.	Bay Ridge, L. I.
5 Frank Jacobus	*Road Master*..	" "
6 Joseph Curtis.....	*Capt. S. B. Dep*.	" "

(*a*) *Sea Beach and Brighton RR.* (Formerly New York and Brighton Beach Ry.)

1 Alrick H. Man.....	*President*.....	New York, N. Y.
2 Henry J. Cullen....	*Vice-President*.	" "
3 Charles T. Carret..	*Sec. & Treas*..	" "

General office, 56 Wall St., New York, N. Y.

☞ *See note of explanation on first page.*

GLASS ROOFS, SKYLIGHTS,

GLAZED ON

RENDLE'S

Patent "ACME" System.

OVER SEVEN MILLION SQUARE FEET OF GLASS USED ON THIS INCOMPARABLE SYSTEM.

For the top-lighting of Railway Companies' Buildings, the **RENDLE SYSTEM** has been adopted in almost every civilized country.

The Carlisle Citadel Station (England), covering seven acres of ground, was entirely glazed on this system, (322,000 sq. ft.,) also Gordon Street Station (130,000 sq. ft.), and Bridge Street Station (116,000 sq. ft.), Glasgow.

Thirty Railway Companies have Adopted the Rendle System.

The GRAND CENTRAL DEPOT (Annex Building) Skylight, 600 x 30 ft., for N. Y. C. & H. R. R. R., this city, and new ERIE DEPOT'S Skylight, 600 x 36 ft., for N. Y., L. E. & W. R. R., Jersey City, glazed on this system.

For further particulars, estimates, etc.,

ARTHUR E. RENDLE,

New York Office, - - 44 Broadway.
Philadelphia Office, - 423 Walnut Street.

Works, E. 150th St., Mott Haven, N. Y.

532 New York, Rutland and Montreal Ry.—Chatham to Bennington, 57 miles.

1 Wm. H. Stevenson.	*President*	Bridgeport, Ct.
2 J. P. Hopson	*Gen. Supt.*	Bennington, Vt.
3 A. W. Perrin	*Gen. Pass. Agt.*	" "
4 C. P. Van Alstyne	*Gen. Fgt. Agt.*	" "

General office, Bennington, Vt.

533 New York, Susquehanna and Western RR.—Marion, N. J., to Gravel Place, Pa., 101 miles; branches, 53 miles.

1 F. A. Potts	*P. & Gen Man.*	New York, N. Y.
2 S. V. White	*Vice-President.*	" "
3 J P Rafferty[3 4 9 10 *]	*Sec. & Treas.*	" "
4 Chas. V. Ware[2 7 8]	*Auditor*	" "
5 C. D. McKelvey[11]	*Superintendent*	Jersey City, N. J.
6 I. I. Demarest	*G. F. & P. A.*	New York, N. Y.
7 C. T. Demarest[6]	*Purch. Agt.*	" "
8 G. L. Rusling	*Chief Engineer*	" "
9 W. C. Ennis	*Master Mech.*	Wortendyke N J.
10 George Bartle	*Supt. of Br'dge*	Middletown, N.Y.
11 George Smith	*Road Master*	" "
12 James Brady	*Fm. Car Paint.*	Wortendyke, N.J.

General office, 15 Cortlandt St., New York, N. Y.

534 New York, Texas and Mexican Ry.

See Southern Pacific Company.

535 New York, West Shore and Buffalo RR.

See New York Central and Hudson River RR.

536 New York, Woodhaven and Rockaway RR.—Long Island City to Rockaway Beach, 18 miles.

1 Austin Corbin[5]	*President*	New York, N.Y.
2 J. R. Maxwell	*Vice-President.*	" "
3 P H Cassidy[1 2 3 4 8 9 10]	*Sec. & Treas.*	Rockaway B., N.Y
4 Wm. E. Burroughs	*Superintendent*	" "
5 J. D. Campbell	*Transf. Agent.*	New York, N. Y.
6 P. H. Cassidy	*A. & Tr. Agt.*	Rockaway B., N.Y
7 William Le Seur	*Mast. Mech.*	" " "
8 J. E. Winslow	*Road Master*	" " "

General office, Rockaway Beach, N. Y. Repair Shops, Rockaway Beach, N. Y.

537 Norfolk and Ocean View Narrow Gauge RR.—Norfolk to Ocean View, Va., 8.25 miles.

1 W. H Taylor	*President*	Norfolk, Va.
2 F. S. Taylor	*Sec. & Treas.*	" "
3 W. A. Mathieson	*Superintendent*	" "

General office, Norfolk, Va.

538 Norfolk Southern RR.—Berkley to Edenton, 73 miles; branches, 3 miles.

1 W. H. Philips	*President*	New York, N. Y.
2 George C. Wood	*Vice-President.*	" "
3 W. G. Dominick	*Treasurer*	" "
4 E. W. Corlies	*Secretary*	" "
5 M. W. Dominick	*Ass't Secretary*	" "
6 M. K. King[5]	*Gen. Manager*	Norfolk, Va.
7 H. C. Hudgins	*Gen. P. & F. A.*	" "
8 J P. Jernigan	*Book-keeper*	" "
9 J. S. Whitworth	*Master Mech.*	Berkley, Va.
10 A. M. Hawkins	*Road Master*	" "

General office, Norfolk, Va. Transfer office, 74 Broadway, New York, N. Y.

539 Norfolk and Virginia Beach RR.—Norfolk to Virginia Beach, 18 miles.

1 C. M. Fry	*Receiver*	New York, N. Y.
2 James H. Hopkins	*President*	Washington, D.C
3 C. W. Mackey	*Vice-President.*	Franklin, Pa.
4 W. G. Elliot	*S. & Solicitor*	Norfolk, Va.
5 W. J. Welsh	*Treasurer.*	Franklin, Pa.
6 J. M. Dickey	*Gen. Manager.*	" "
7 T. O. Troy	*Superintendent*	Norfolk, Va.

General office, Norfolk, Va.

540 Norfolk and Western RR.—Norfolk to Bristol, 408 miles; branches, 102 miles.

1 F. J. Kimball	*President*	Philadelphia, Pa.
2 Charles G. Eddy	*Vice-President.*	Roanoke, Va.

540 Norfolk and Western RR.—*Continued.*

3 W. C. Bullitt	*Ass't to Pres.*	Philadelphia, Pa.
4 W. G. Macdowell[5 9 10]	*Treasurer*	" "
5 A. J. Hemphill	*Secretary*	" "
6 M. C. Jamison	*Controller*	" "
7 Jos. H. Sands[7 8 11]	*Gen. Manager*	Roanoke, Va.
8 W. B. Bevill	*G. P & Tkt. Agt.*	" "
9 A. Pope	*Gen. Fgt. Agt.*	" "
10 Joseph W. Coxe[3]	*Auditor*	" "
11 W. C. De Armond	*Purch. Agent*	Philadelphia, Pa.
12 Joseph B. Lacy	*Actg. Paym.*	Roanoke, Va.
13 W. W. Coe	*Chief Engineer*	" "
14 J. I. Doran	*Solicitor*	Philadelphia, Pa.
15 Thomas Pinckney	*Gen. En. Fgt. A.*	New York, N. Y.
16 C. P. Gaither	*New Eng. Agt.*	Boston, Mass.
17 Frank Huger	*Supt. West. Div.*	Lynchburg, Va.
18 N. M. Osborne	*Supt. East. Div.*	Norfolk, Va.
19 S. B. Haupt	*Sup. Mot. Pow.*	Roanoke, Va.
20 William Hunter	*Division Eng.*	Norfolk, Va.
21 Walter L. Keen	*Division Eng.*	Lynchburg, Va.
22 J. G. Osborne	*Division Eng.*	Central Va.

23 *Foremen of Repair Shops.*—N. W. Nasworthy, Petersburg, Va.; N. H. Smith, Central, Va.; L. P. Ligon, Central, Va.; W. C. Mays, Lynchburg, Va.; R. E. Smith, Norfolk, Va.

24 *Supervisors.*—W. J. Sowers, Norfolk, Va.; W. H. Stanley, Nottoway, Va.; J. F. Buck, Salem, Va.; B. F. Stanley, Wytheville, Va.; W. R. Knox, Churchwood, Va.

General office, Roanoke, Va. Transfer office, Philadelphia, 338 Walnut St.; Transfer office, New York, Central Trust Company.

541 North Eastern RR. of Georgia.

See Richmond and Danville System.

542 North Eastern RR. (S. C.).

See Atlantic Coast Line.

543 North Pacific Coast RR.—San Francisco to Saucelito, by steamer, 6 miles; Saucelito to Ingrame, by rail, 81 miles; branch, 6 miles.

1 John W. Coleman	*Pres. & Gen. M.*	San Francisco, Cal
2 William Steel	*Vice-President.*	" "
3 L. & S. F. Bk. L'td	*Treasurer*	" "
4 F. B. Latham	*S. A. G. P. & T. A*	" "
5 E. H. Shoemaker	*Superintendent*	Saucelito, Cal.
6 W. F. Russell[5]	*T. M. & G. F. A.*	San Francisco, Cal
7 F. M. Walter	*Road Master*	San Rafael, Cal.

General office, 327 Pine St., San Francisco, Cal.

544 North Shore Ry.

See Canadian Pacific.

545 Northern Adirondack RR.—Moira to Paul Smith's Station, 34 miles.

1 John Hurd[5]	*President*	Bridgeport, Ct.
2	*V.-P. & Treas.*	" "
3 Geo. Munger	*Secretary*	" "
4 M. Callahan	*G. S. R. M. M. M.*	St. Regis Falls, N Y
5 A. C. Allison[7 8]	*Gen. P. & F. A.*	Moira, N. Y.

General office, St. Regis Falls, N. Y.

546 Northern California RR.—Marysville to Oroville, 27 miles.

1 N. D. Rideout	*President*	Marysville, Cal.
2 M. B. Langhorne	*Treas. & Sec*	San Francisco, Cal
3 A. J. Binney[5]	*Gen. Manager.*	Marysville, Cal.
4 E. S. Wright	*Mast. of Mach.*	" "
5 George W Neal	*Mas. Carpenter*	" "
6 E. P. Willard	*Road Master*	Honeut, Cal.

General office, Marysville, Cal.

547 Northern Central Ry.

See Pennsylvania System.

548 Northern and North-Western Rys.—Pt. Dover to Allandale, 134 miles; Toronto to Nipissing Junction, 223 miles; branches, 134 miles—total length, 491 miles.

1 Frank Smith	*Pres. Nor. Ry.*	Toronto, Ont.
2 John Stuart.	*P. H. & N. W. R.*	Hamilton, Ont.

☞ *See note of explanation on first page.*

Detroit Car Wheel Co.,

MANUFACTURERS OF

CAR WHEELS

RAILROAD AND OTHER CASTINGS.

Foundries: GD. TRUNK & M. C. R. R. JUNC.

OFFICE:

No. 1 NEWBERRY & McMILLAN BUILDING,

Detroit, Mich.

JAMES McMILLAN ..... President.
HUGH McMILLAN ..... Vice-President and General Manager.
W. C. McMILLAN ..... Secretary.
W. K. ANDERSON ..... Treasurer.
J. H. WHITING ..... Superintendent.

BAUGH

STEAM FORGE CO.,

DETROIT, MICH.,

Manufacturers of all Descriptions of

BAR IRON, CAR AND DRIVING AXLES,

COUPLING LINKS AND PINS,

Shaftings, Draw-Bars, Etc.

JAS. McMILLAN ..... President.
HUGH McMILLAN ..... Vice-President.
JOHN B. BAUGH ..... General Manager.
SAMUEL A. BAUGH ..... Superintendent.
W. K. ANDERSON ..... Treasurer.
R. D. FIELD ..... Secretary.

WORKS ON RIVER ROAD, BELOW CITY.

548 Northern and North-Western Rys. —*Continued.*

3 S. Barker	*Gen. Manager.*	Toronto, Ont.
4 W. Townsend[2 3 4]	*Sec. & Treas.*	" "
5 Jas. Webster[6 7 8 11]	*Transp. Supt.*	" "
6 Robert Quinn[1]	*Gen F. & P. Agt*	" "
7 Peter Clarke	*Mechanical Su.*	" "
8 W. C. Schreiber	*Purch. Agt*	" "
9 H. Holgate	*Engineer*	" "
10 G. D. Boulton	*Solicitor*	" "
11 Robert Bagnall	*Road Master*	Hamilton, Ont.
12 George Wilson	*Road Master*	Allandale, Ont
13 Joseph Walker	*Road Master*	" "
14 James Brown	*Road Master*	Huntsville, Ont.
15 Charles Catcher	*Bridge Insp.*	Allandale, Ont.
16 James Gilchrist	*Bridge Insp.*	Hamilton, Ont.
17 R. Reid	*Bridge Insp.*	Huntsville, Ont.
18 James Hawley	*Fm. Carpenter*	Toronto, Ont.
19 James Armitage	*F. Loc. Ma. Shp.*	" "
20 M. A. Graham	*Fm. Car Shops*	" "
21 Thomas Little	*Fm. Paint Shps.*	" "
22 William Robinson	*Fm. L. & C. Shps*	Hamilton, Ont.

General offices, Toronto, Ont.

549 Northern and Pacific Junction Ry. —Gravenhurst to La Vase, 111.25 miles.

1 Dalton McCarthy	*President*	Toronto, Ont.
2 Walter Townsend	*Sec. & Treas.*	" "
3 J. C. Bailey	*Chief Engineer*	" "
4 G. D. Boulton	*Solicitor*	" "

550 Northern Pacific RR.—St. Paul to Wallula Junction, 1,699 miles; branches, leased lines, etc., 1,109 miles—total, 2,708 miles.

1 Robert Harris	*President*	New York, N. Y.
2 T. F. Oakes	*1st V.-P. & G.M.*	St. Paul, Minn.
3 A. Anderson	*2d Vice-Pres.*	Tacoma, W. Ter.
4 Jas. B. Williams	*3d Vice-Pres.*	New York, N. Y.
5 S Wilkeson	*Secretary*	" "
6 George H. Earl	*Ass't Sec*	" "
7 George Gray	*Gen. Counsel*	" "
8 R. L. Belknap	*Treasurer*	" "
9 G. S. Baxter[3 4 9 10]	*Ass't Treas.*	St. Paul, Minn.

OPERATING DEPARTMENT.

10 J. T. Odell	*A. G. M. E. Div.*	St. Paul, Minn.
11 J. M. Buckley	*A. G. M. W. Div*	Tacoma, Wash. T.
12 W. T. Small	*Gen. Purch. Agt.*	St. Paul, Minn.
13 G. W. Cushing	*S. M. P. M. & R. S.*	" "
14 John C Barber	*Mast. Car Bdr.*	Brainerd, Minn.
15 T. J. Delamere	*Car Accountant*	St. Paul, Minn.
16 O. C. Greene	*Supt. Teleg.*	" "
17 A. A. Honey	*A. S. T. W. Div.*	Portland, Ore.
18 M. C. Kimberly	*Su. St. P'l D. & Brs.*	Minneapolis, Minn.
19 A. E. Law	*A. S St. P'l Div. & L. F. & D. RR.*	St. Paul, Minn.
20 N. D Root	*A Su. Min. Div.*	Brainerd, Minn.
21 Wade Converse	*As. Su. Wis. Div*	Ashland, Wis.
22 S. R. Ainslie	*Su. Min. & Wis. Divs. & N. P. F. & B H.*	Brainerd, Minn.
23 M. L. Vining	*A S. N. P. F. & B. H. RR.*	Fergus Falls, Minn.
24 J. M. Graham	*Su. Dak. Div. & Branches*	Jamestown, Dak.
25 Levi Greer	*As. Su. F. & S. W. RR.*	Fargo, Dak.
26 F. Greene	*Supt Mo. Div.*	Mandan, Dak.
27 F. W. D. Holbrook	*Su. Yellows. Dv.*	Glendive. Mont.
28 F. L. Richmond	*Sup Mont. Div. & Br*	Livingston, Mont.
29 F. W. Gilbert	*Su. Rocky Mtn. Div*	Missoula, Mont.
30 F. P. Weymouth	*Sup. Idaho Div.*	Sprague, Wash. T.
31 C. S. Prowell	*Sup. Cascade Div. (East)*	Ellensburg, Wash T.
32 Otis Sprague	*Sup Pacific Div*	Tacoma, Wash. T.
33 C. C. Wrenshall	*Eng. T. B. & Bu.*	Brainerd. Minn.
34 R. P. Thomas	*Fuel Agent*	" "

CONSTRUCTION DEPARTMENT.

35 A. Anderson	*Engineer-in-Ch*	Tacoma, Wash. T.
36 S. D. Mason	*Prin. As. Eng.*	St. Paul, Minn.

550 Northern Pacific RR.—*Continued.*

LEGAL DEPARTMENT.

37 George Gray	*Gen. Counsel*	New York, N. Y.
38 W. P. Clough	*Counsel*	St. Paul, Minn.
39 J. McNaught	*Counsel*	Seattle, W. T.

AUDITING DEPARTMENT.

40 J. A. Barker	*Gen. Auditor*	St. Paul, Minn.
41 M. P. Martin	*Ass. Gen. Aud.*	" "
42 W. G. Pearce	*Auditor Disb.*	" "
43 E. H. C. Taylor	*Aud. Fgt. Rec.*	" "
44 E. K. Punnett	*Aud. Pass. Rec.*	" "
45 C. C. Cummiskey	*Au. M. P. Accts.*	" "

CLAIM DEPARTMENT.

46 D. K. Ford	*Gen. Claim Agt.*	St. Paul, Minn.
47 W. P. Spaulding	*Loc. Claim Agt.*	Brainerd, Minn.
48 E. H. Shaw	*L. Cl. A. W. Div.*	Helena, Mont.

TRAFFIC DEPARTMENT.

49 J. M. Hannaford	*Traffic Man.*	St. Paul, Minn.
50 S. L. Moore	*Ass't G. F. A.*	" "
51 S. G. Fulton	*Ass't G. F. A.*	Portland, Ore.
52 C. S Fee	*G. P. & T. A.*	St. Paul, Minn.
53 H C. Davis	*A. G. Pass. A.*	" "
54 George S. Marsh	*Ass't G. T. A.*	" "
55 A. D. Charlton	*Gen. W. Pas. A.*	Portland, Ore.
56 J. J. Strong	*Supt. Din. Cars*	St. Paul, Minn.
57 W. H. Lowe	*Gen. Bag. Agt.*	" "

Travelling Passenger and Land Agents.

58 J. E. Macdougall, Montreal, Canada.
59 A. J. Quin, Boston, Mass.
60 J. H. Rogers, Jr., Philadelphia, Pa.
61 T. G. Evans, Philadelphia, Pa.
62 George D. Teller, Buffalo, N. Y.
63 D. W. Janowitz, Indianapolis, Ind.
64 Frederick H. Lord, Chicago, Ill.
65 T. L. Shortell, St. Louis, Mo.
66 S. H. Mills, Cincinnati, O.
67 E. H. Smith, Milwaukee, Wis.
68 A. A. Tack, Des Moines, Ia.
69 W. F. Carson, Portland, Ore.

General and Special Agents.

70 George R. Fitch	*Gen. East. Agt.*	New York, N. Y.
71 C. B. Kinnan	*Gen. Agt. P. D.*	" "
72 J. L. Harris	*New Eng. Agt.*	Boston, Mass.
73 A. Roedelheimer	*Gen. Agent*	Columbus, O.
74 J. E. McDougall	*Gen. Agent*	Montreal, Que.
75 E. R. Wadsworth	*Gen. Agent*	Chicago, Ill.
76 G. W. R Goodno	*City Pass. Agt.*	" "
77 L. N. Sawyer	*Contract. Agent*	" "
78 A. L. Stokes	*Gen. Agent*	Helena, Mont.
79 James McCaig	*Agent*	Butte City, Mont.
80 A. S. Chase	*Gen. Agent*	Duluth, Minn. & Superior, Wis
81 J. V. Creighton	*Trav. Fgt. Agt.*	Portland, Ore.

LAND DEPARTMENT.

82 C. B. Lamborn	*Land Comm.*	St. Paul, Minn.
83 P. B. Groat	*Gen. Emig. Agt.*	" "
84 A. G. Postlethwaite	*Gen. Land Agt.*	" "
85 Paul Schulze	*Gen. Land Agt.*	Portland, Ore.

NORTHERN PACIFIC EXPRESS.

86 T. F. Oakes	*President*	St. Paul, Minn.
87 W. J. Footner	*Gen. Supt.*	" "

General offices, St. Paul, Minn., and Mills Building, 35 Wall St., New York, N. Y.

551 Northern and Western Ry.—Fredericton to Chatham Junction, 107 miles; and from Junction at Blackville to Indiantown, 8 miles.

1 Alexander Gibson	*President*	Maryesville, N B.
2 J. B. Snowball	*Manag. Direct.*	Chatham, N. B.
3 George F. Gregory	*Sec. & Sol.*	Fredericton, N.B.
4 P. A. Logan	*Fm. Rep. Shps.*	Gibson, N. B.

General office, Chatham, N. B.

552 Norwich and Worcester RR.

See New York and New England RR.

553 Nova Scotia Ry.

See Canadian Government Rys.

☞ *See note of explanation on first page.*

It is a FACT beyond all question that

PARQUETRY FLOORS

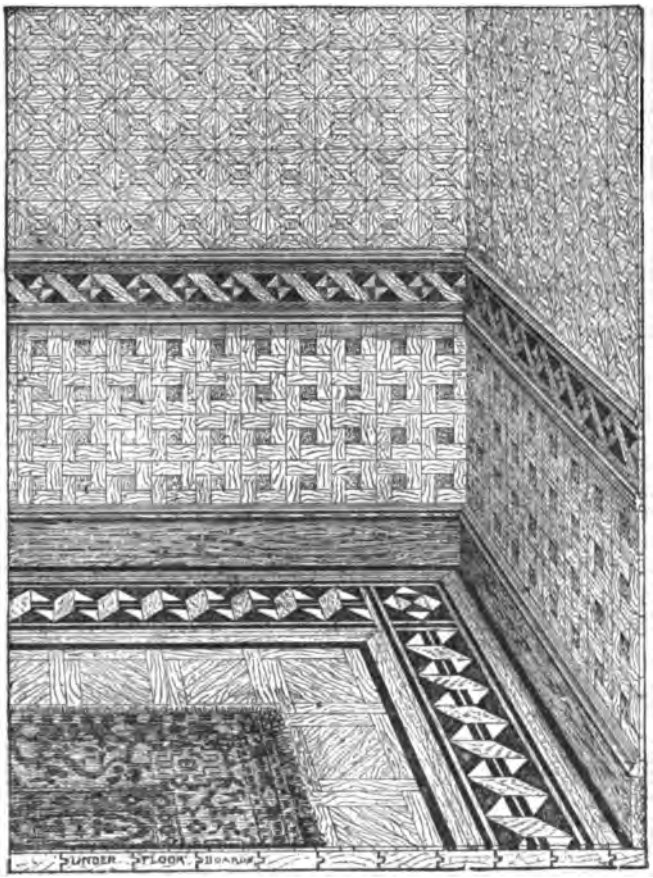
AND

WOOD CARPETS WITH RUGS

are to be the LEADING styles of furnishing all modern first-class dwelling houses in the future, for they are HEALTHIER, EASIER TO KEEP CLEAN, and in the END very much CHEAPER than CARPETS. The **VERY BEST COVERING FOR A RAILROAD OFFICE** is a WOOD CARPET with a RUG on top, as the dust can be wiped off the floor and shaken out of the rug as often as necessary for cleanliness. For Sitting, Dining and other Rooms this material can be used to great advantage, and will last as long as five oilcloths or mattings.

We are the largest manufacturers of THIN (5-16) and THICK (7-8) Parquetry in THE WORLD.

☞ SEND FOR OUR ESTIMATE.



WOOD Carpets, Parquet Floors, Wainscottings and Ceilings are used for

Parlors,
Dining Rooms,
Sitting Rooms,
Bath Rooms,
College Halls,
Libraries,
Vestibules,
Halls,
Nurseries,
Kitchens,
Offices,
Banks,
Hospitals,
Hotels,
Drug Stores,
Dancing Halls,
Billiard Halls,
Lodge Rooms,
Saloons,
Dormitories,
School Rooms,
Covering Floors,
Walls,
Ceilings,
Basements.

Copyrighted, 1886.

THAT OUR GOODS are sold on their MERITS ALONE is proven by the fact that we now often lay floors for the sons and daughters of our early patrons.

Our Customers are among the wealthiest and best known people of this and other large cities, who have the means to gratify every taste, and buy what they believe to be the most conducive to health and comfort.

Our prices have been reduced so that people in very moderate circumstances can afford to buy floors that are handsome, and as durable as any we make.

Our **THIN PARQUETRY OR WOOD CARPET** makes the most durable and handsome material known for **BORDERS FOR RUGS.** The goods are just the thickness of the rugs, and we have a large line of them, at low prices, for this purpose. We shall at all times be pleased to show the goods to any one interested, whether they wish to purchase or not.

J. W. BOUGHTON, Prop'r & Manuf'r. 1207 Chestnut St., Philadelphia, Pa.

New York Office: 23d STREET, UNDER FIFTH AVENUE HOTEL.

☞ *Send for Book of Designs and Prices.*

We will send a good Pocket Map of PHILADELPHIA, NEW YORK CITY, BROOKLYN, BOSTON and LONDON (Eng.), on receipt of 5c. in stamps.

554 Ogdensburg and Lake Champlain RR.

See Central Vermont RR.

555 Ohio Central RR.

See Toledo and Ohio Central RR.

556 Ohio Central RR. River Division.

See Kanawha and Ohio River RR.

557 Ohio and Mississippi Ry.—Cincinnati to E. St. Louis, 338 miles; Louisville Branch, 58 miles; Springfield Division, 225 miles—total, 616 miles.

1 John F. Barnard..	*Pres. & G.Man.*	Cincinnati, O.
2 Edward P. Cutter.	*Sec. & Auditor.*	" "
3 Robert Reid[2 4 6 10]	*Treasurer.*	" "
4 C. C. F. Bent	*Superintendent*	" "
5 W. B. Shattuc ...	*Gen Pass. Agt.*	" "
6 William Duncan ..	*Gen. Fgt. Agt..*	St. Louis, Mo.
7 G. W. Stevens	*Purch. Agent..*	Cincinnati, O.
8 F. L. Jackson.....	*Paymaster.* ...	" "
9 W. I. Robinson ...	*Gen. Bag Agt.*	" "
10 C. C. Chandler...	*C.E.& M.M.W.*	" "
11 H. M. Hall	*Gen. F. Brdgs.*	Olney, Ill.
12 A. Hayward.... ...	*Supt. Teleg....*	Cincinnati, O.
13 O. H. Jackson....	*G.F.Mach.Shp.*	Vincennes, Ind.
14 J. P. Conlter	*G. F. Car Shp.*	Cochran, Ind.
15 F. P. Boatman....	*M. of Rol. Stock*	Vincennes, Ind.
16 H. D. Hanover ...	*Gen. Fm. Track*	Aurora, Ind.
17 A. J. Frazer.	*Tr. M. E. Div.*	Seymour, Ind.
18 W. N. McMahan..	*Tr. M. W. Div.*	Flora, Ill.
19 E. E. Jenks.....	*Fm. Mach.Shp.*	Seymour, Ind.
20 C. Kelly[11]	*Car Accountant*	Cincinnati, O.
21 F. A. Slater.	*Fm. Car Rep..*	Cochran, Ind.
22 A. N. Bradley.....	*Fm. Car Paint.*	" "

23 *Track Supervisors.*—Thomas Adameson, Aurora, Ind.; T. Welsh, Mitchell, Ind.; D. Maloney, Olney, Ill.; J. Phillips, Lebanon, Ill.

Springfield Division.

24 C. M. Stanton.....	*Ass't Supt.....*	Springfield, Ill.
25 B. F. Bond	*Gen.F. M. of W.*	Flora, Ill.
26 J. W. Stokes.....	*Gen.F.Rol. Stk.*	Pana, Ill.
27 H. V. Russell	*Train Master..*	" "
28 I. Burlingame.	*Chief Dispatch.*	" "
29 W. S. Andrews....	*Ass't Dispatch.*	" "
30 P. K. Roach	*Track Superv..*	" "

PASSENGER AGENTS.

31 H. A. Wells.....	*En. Pass. Agt.*	New York, N. Y.
32 D. Bride.....	*Passenger Agt.*	Baltimore, Md.
33 R. S. Brown	*So. Pass Agt..*	Louisville, Ky.
34 C. W. Paris	*Cent. Pass.Agt.*	Cincinnati, O.
35 G. D. Bacon.....	*Gen. W. P. Agt.*	St. Louis, Mo.
36 A. C. Goodrich...	*Wn. Pass. Agt.*	Kansas City, Mo.
37 J. R. Merryfield...	*S. W. Pass.Agt.*	Dallas, Tex.
38 S M. Shattuc.....	*Col. Pass. Agt.*	Denver, Col.
39 C. G. Jones	*Trav. Pas.Agt..*	Vincennes, Ind.

General office, Cincinnati, O. Transfer Agency, Central Trust Co., New York, N. Y. London office, 4 Bank Buildings, E. C.

558 Ohio and North-Western RR. (Late Cincinnati and Eastern Ry.)—Cincinnati to Portsmouth, 106 miles; Sardinia to Hillsboro, 20 miles. Contract to build from Portsmouth to Gallipolis, 60 miles, let to Shanahan and Fox.

1 H. C. Parsons.....	*President.*	Natural Bdge. Va.
2 E. C. Pechin.....	*V.-P.& Gen.M.*	Cincinnati, O.
3 T. D. Rhodes	*Tr. & G. P. A.*	" "
4 J. S. Wells.....	*Sec.& As.Treas*	30 Broad St., N.Y.
5 C. H. Goodrich	*Gen. Fgt. Agt.*	Cincinnati, O.
6 W. D. Gray.... ...	*Auditor.*	" "
7 J. D. Letcher.....	*Chief Engineer*	" "

General office, Cincinnati, O.

559 Ohio River RR.—Wheeling to Point Pleasant, 173 miles. Under construction from Point Pleasant to Huntington, 40 miles.

1 G. W. Thompson..	*Pres. & Treas..*	Parkersb'rg, W.V
2 W.N.Chancellor[5 10]	*V.-Pres. & Sec.*	" "
3 C. L. Williams[3]...	*Ass't Supt*	" "
4 W. J. Robinson....	*G. F. & P. A..*	" "

559 Ohio River RR.—*Continued.*

5 W. M. Trevor[7 8]....	*Auditor.*	Parkersb'rg, W.V
6 W. C. Ault..... ...	*Road Master..*	" "
7 E. E. Jenks..... ...	*Mast. Mech....*	" "
8 J. F. Mock.....	*Supt Bridges..*	" "
9 J. A. Allison.....	*Car Accountant*	" "

560 Ohio Southern RR.

See Indiana, Bloomington and Western RR.

561 Ohio Valley Ry.—Under construction from Evansville, Ind., to Florence, Tenn., and 64 miles of main line; 6½ miles Unionton Branch; and 1½ miles De Koven Branch, now completed.

1 P. G. Kelsey.....	*Pres.& G.Man.*	Henderson, Ky.
2 Jordan Giles	*Sec. & Treas.* .	" "
3 Jas. Montgomery .	*Gen. Supt.*	" "
4 S. L. Campbell....	*Auditor.*.....	" "
5 R. E. Fleming....	*Ass't Auditor..*	" "
6 C. C. Genung.... .	*Chief E.& A. S.*	" "
7 C. W. Boyden.....	*Ass't Chi-f En.*	" "
8 R. H. Ingram. ...	*Cashier*.....	" "
9 M. A. Sullivan ...	*Road Master...*	" "
10 George W. Fallon.	*Sup. of Bridges*	" "
11 F. W. Watkins ...	*Supt. of Const.*	" "
12 C. C. Cummings .	*Car Accountant*	" "
13 Arthur Cary.....	*Gen. Solicitor..*	" "
14 James F. Clay .. .	*Gen. Attorney .*	" "

562 Oil City and Ridgeway Ry.—Oil City to Cranberry, Pa., 6 miles.

1 G. Clinton Gardner	*President*.....	New York, N. Y.
2 J. R. Trimble.....	*Sec. & Treas...*	Philadelphia, Pa.
3 Ensign Bennett....	*Gen. Manager.*	Buffalo, N. Y.

General office, 242 South Third St., Philadelphia, Pa.

563 Old Colony RR.—Boston to Provincetown, Mass., 120 miles; branches and leased lines, 349 miles—total length, 469 miles.

1 Charles F. Choate.	*President*.....	Boston, Mass.
2 F. L. Ames..... ...	*Vice-President.*	" "
3 J. M. Washburn[3 4]	*Treasurer*	" "
4 John S. Brayton..	*Clerk*....	" "
5 J. R. Kendrick....	*Gen. Manager..*	" "
6 Geo. L. Connor,...	*G. P. & T. A.*	" "
7 S. C. Putnam[7 8]..	*Gen. Fgt. Agt..*	" "
8 E. F. Wetherell[8]..	*Gen. Bag. Agt.*	" "
9 J. H. French.....	*Sup.M. L. Div.*	" "
10 I. N. Marshall.....	*Sup. North. Div*	Fitchburg, Mass.
11 C. H Nye	*S. Cape Cod Div.*	Hyannis, Mass.
12 George S. Morrill.	*Chief Engineer*	Boston, Mass.
13 R. W. Husted....	*Purch Agent...*	" "
14 J. C. Sanborn.....	*Pas. Transp. M.*	" "
15 J. N. Lauder.....	*Supt. Rol. Stock*	" "
16 F. M. Twombly.	*M.M.Main L. & C. C. Div.*	" "
17 A. W. Twombly ..	*Do. Nor. Div..*	Taunton, Mass.
18 C. L. Aiken.....	*For. Loc. Rep..*	Boston, Mass.
19 William Ames	*For. Car Rep..*	" "
20 Grafton Upton....	*For. Car Rep..*	" "
21 Samuel Brown...	*Mst. Car Paint.*	" "

22 *Road Masters.*—O. F. Jerald, Boston, Mass.; J. D. Thayer, Fall River, Mass.; B. Braley, Bridgewater, Mass.; J. W. Drew, Hyannis, Mass.; F. M. Sargent, S. Framingham, Mass.; E. H. Bryant, New Bedford, Mass

General office, Boston, Mass.

564 Old Orchard Junction RR.—Junction P. S. & P. RR. to Orchard Beach, 3 miles. Abandoned.

565 Olympia and Chehalis Valley RR.—Olympia to Tenino, 17 miles.

1 John W. Sprague..	*President*.....	Tacoma, Wash. T.
2 Robert Wingate....	*Vice-President.*	" "
3 J. R. Hayden[3].....	*Secretary.* . . .	Olympia, Wash. T
4 F. R. Brown[3 4]....	*Treasurer*.....	" "
5 Charles Sprague[1 5 6]	*Superintend't .*	" "
6 S. G. Ward.....	*Gen. Tkt. Agt.*	" "
7 F. Tillotsen	*Master Mech...*	" "
8 John F. Gowey	*Attorney*.....	" "

General office, Olympia, Wash. T.

566 Ontonagon and Brule River RR.

See Milwaukee and Northern RR.

☞ *See note of explanation on first page.*

THE

H. Edgar Hartwell Company,

19 W. 22d St., N. Y. City,

1416 F St. N. W., Wash., D. C.

Designers and Manufacturers

OF

INTERIOR DECORATIONS

FOR

Railway Cars, Steamboats, Public and Private Buildings.

Our Specialties are:

Moulded and leaded glass for Deck and Transom Lights; the finest Mosaic and leaded glass for Memorials, etc. Papier maché, stamped paper, stamped sponge, stamped leather, plain and stamped canvas, etc., for ceilings and panels in cars, etc., decorated or otherwise. Decorative paintings, special designs, models and working drawings prepared at reasonable prices where parties desire to manufacture their own work.

Address all communications to

19 West 22d St., N. Y. City.

567 Orange Belt Ry.—Monroe to Oakland, 33 miles; Longwood Branch, 3 miles.

1 P. A. Demens	*Pres. & Gen. M.*	Longwood, Fla.
2 A. M. Taylor	*Secretary*	" "
3 H. Sweetapple	*Treasurer*	" "
4 G. D. Ackerly	*G. Fgt. & P. A.*	" "

568 Oregon and California RR.—Portland to Asaland, Ore., 343 miles; branches, 108 miles.

1 R. Koehler[3 4]	*Recor. & G. Mgr*	Portland, Ore.
2 G. H. Hopkinson	*President*	London, Eng.
3 C. E. Bretherton	*V.-Pr. & As. Tr.*	" "
4 G. H. Andrews	*2d V.-P. & Tr.*	Portland, Ore.
5 W. W. Bretherton	*Secretary*	" "
6 H. H. Tyndale	*Asst. Secretary.*	London, Eng.
7 J. Brandt	*Gen. Supt.*	Portland, Ore.
8 E. P. Rogers[6]	*G. Fgt. & Pa. A.*	" "
9 G. H. Andrews	*Auditor*	" "
10 O. E. Heintz	*Au. Ft. & T. Ac.*	" "
11 W. T. Bodley	*Purch. Agent.*	" "
12 W. C. Brown	*For. Car Rep.*	E. Portland, Ore.
13 A. Brandt	*Master Mech.*	" " "
14 T. De Clark	*Supt. of Bdgs.*	Portland, Ore.
15 J. O. Johnson	*Supt. of Bdgs.*	Rosebury, Ore.
16 G. H. Kinzer	*For. Rep. Shop.*	Grant's Pass, Ore.
17 M. H. Taylor	*For. Rep. Shop.*	Portland, Ore.

18 *Road Masters.*—J. H. Wait, Junction, Ore.; M. Volk, Myrtle Creek, Ore.; J. T. Galvin, Grant's Pass, Ore.; H. E. Happersett, Portland, Ore.

General office, Portland, Ore.

569 Oregon Improvement Company.

1 Elijah Smith	*President*	New York, N. Y.
2 C. H. Prescott	*Vice-President.*	Portland, Ore.
3 P. W. Smith	*Treasurer*	Boston, Mass.
4 J. M. Fox	*Secretary.*	Portland, Ore.
5 John Muir	*Manager*	" "
6 John S. Howard	*Asst. Manager.*	San Francisco, C.
7 E. W. Sells	*Auditor*	" "

This company also controls the Pacific Coast Ry.

General office, Portland, Ore. Transfer office, Farmers' L. & T. Co., New York, N. Y.

(*a*) *Pacific Coast Ry.*—Port Harford to Los Almos, Cal., 64 miles.

1 Charles Goodall	*President*	San Francisco, C.
2 John Rosenfield	*Vice-President.*	" "
3 Edwin Goodall	*Secretary*	" "
4 J. M. Fillmore[5]	*M. G. F. & T. A.*	San Luis Obispo, C
5 W. R. Price	*As. G. F. Agt.*	" "
6 E. W. Sells	*Auditor*	" "
7 T. D. Amos	*Accountant*	" "
8 Goodall, P'kins & C	*Gener'l Agents.*	San Francisco, C.
9 James Walsh	*Master Mech.*	San Luis Obispo, C
10 John De Corsey	*Road Master*	Los Almos, Cal.

See also Pacific Coast Steamship Co.

General office, San Francisco, Cal.

(*b*) *Columbia and Puget Sound RR.*—Seattle to New Castle, Wash. T., 22 miles.

1 Elijah Smith	*President*	New York, N. Y.
2 A. A. Denny	*Vice-President.*	Seattle, Wash. T.
3 J. L. Howard	*Gen. Superint.*	San Francisco, C.
4 T. J. Milner	*As. S. & C. E.*	Seattle, Wash. T.
5 W. R. Thornell	*Gen. F. & P. A.*	" "
6 W. R. Thornell	*Cash. & Acent.*	" "
7 E. W. Sells	*Auditor*	San Francisco, C.
8 J. H. Watson	*Asst. Ch. Engr*	Seattle, Wash. T.
9 J. K. Murphy	*Div. Engineer*	" "
10 F. A. Allen	*Purch. Agent.*	" "
11 F. A. Bell	*Fuel Agent*	" "
12 W. Campbell	*S. M. P. & M.*	" "
13 N. H. Martin	*Road Master*	" "

General office, Seattle, Wash. T.

570 Oregon Pacific RR.—Corvallis to Newport, 71 miles.

1 T. Egenton Hogg	*President*	Corvallis, Ore.
2 William M. Hogg	*V.-P. & G. Man.*	San Francisco, C.
3 Wallis Nash	*2d Vice-Pres.*	Corvallis, Ore.
4 Norm. S. Bentley	*3d V.-P. A. T. & S*	New York, N. Y.

570 Oregon Pacific RR.—*Continued.*

5 G. T. M. Davis	*Treasurer*	New York, N. Y.
6 C. C. Hogue	*Comptroller*	Corvallis, Ore.

General office, Corvallis, Ore.

571 Oregon Railway and Navigation Co.—Portland to Riparia, W. T., 301 miles; other branches, 355 miles.

1 Elijah Smith	*President*	New York, N. Y.
2 W. S. Ladd	*Vice-President.*	Portland, Ore.
3 C. J. Smith	*Treas. & A. S.*	New York, N. Y.
4 Theo. Wygant[3 6 8 9 10]	*Sec. & Asst. T.*	Portland, Ore.
5 C. H. Prescott	*Gen. Manager.*	" "
6 B. Campbell	*Gen. Fgt. Agt.*	" "
7 H. S. Rowe	*S. R. R. & Rv. Dv.*	" "
8 C. W. Johnson	*As. Supt. Ry. Dv.*	" "
9 G'dall, P'kins & Co.	*Supt. Ocean Dv.*	San Francisco, C.
10 John J. Byrne[6]	*G. P. & T. A.*	Portland, Ore.
11 S. B. Willey	*Comptroller*	" "
12 J. M. Drake	*Purch. Agent.*	" "
13 J. H. Huddleson	*Au. F. & T. Ac*	" "
14 John Gates	*C. En. Riv. D.*	" "
15 C. C. Hobart	*Master Mech.*	The Dalles, Ore.
16 C. W. Johnson	*Mast. Transp.*	Portland, Ore.
17 G. R. Shaw	*Road Master*	" "
18 M. V. Donley	*S. Bgs & Bds.*	" "
19 F. A. Burnap[7 11]	*Car Accountant*	" "
20 H. J. Fisher	*Mast. Car Pain*	" "
21 C. C. Grimes	*Mech. Forem'n.*	Albina, Ore.
22 C. F. Hobart	*Mech. Forem'n.*	Walluia Jct., W. T.
23 H. N. Webber	*Mech. Forem'n.*	La Grande, Ore.
24 P. Carlsen	*Fm. Car Bldr.*	The Dalles, Ore.
25 J. S. Albright	*Fm. Blr. M'kr.*	" "

26 *Assistant Road Masters.*—James Brady, Portland, Ore.; James Peters, Umatilla, Ore.; John Nelson, Walla Walla, W. T.; Patrick Glenn, La Grande, Ore.

27 *Foreman Bridges and Buildings.*—W. C. Evans, P. Schrantz, The Dalles, Ore.; J. E. Foss, Walla Walla, W. T.; T. H. Walsh, La Grande, Ore.

General office, Portland, Ore. Financial office, 85 State St., Boston, Mass. Transfer office, Farmers' L. & T. Co., New York, N. Y.

572 Oregon Short Line Ry.

See Union Pacific Ry.

573 Oregonian Ry.—Ray's Landing to Coburg, 90 miles; Fulquartz to Airlie, 56 miles; Sheridan Junction to Ballston, 4 miles—total, 150 miles.

1 Charles N. Scott	*Receiver*	Portland, Ore.

General office, First and Pine Sts., Portland, Ore.

574 Ottumwa and Kirkville RR.

See Chicago, Burlington and Quincy RR.

575 Owensboro and Nashville Ry.

1 M. H. Smith	*President*	Louisville, Ky.
2 R. K. Warren	*Secretary*	" "
3 J. T. Harahan	*Gen. Manager.*	" "
4 W. M. Newbold	*Superintend't*	Russellville, Ky.
5 R. S. Beirer	*Chief Attorney.*	Owensboro, Ky.
6 J. M. Culp	*Gen. Fgt. Agt.*	Louisville, Ky.
7 G. A. Park	*Asst. G. Fgt. A.*	Owensboro, Ky.
8 C. P. Atmore	*Gen. Pass. Agt.*	Louisville, Ky.

General office, Louisville, Ky.

576 Oxford and Henderson RR.—Oxford to Henderson, N. C., 12 miles.

1 A. H. A. Williams	*Pres. & Lessee*	Oxford, N. C.
2 W. B. Gulick	*Treasurer*	" "
3 James A. White	*Gen. Superint.*	Henderson, N. C.
4 James E. Lawrence	*C. E. & M. M.*	" "
5 J. J. W. Harris	*Road Master*	Oxford, N. C.

General office, Oxford, N. C.

577 Pacific Coast Ry.

See Oregon Improvement Company.

578 Pacific and Great Eastern Ry.—Fayetteville to Wyman, 8 miles.

1 B. R. Davidson	*President*	Fayetteville, Ark.
2 John H. Harris	*Superintend't*	" "
3 Mark Dean	*Gen. Fgt. Agt.*	" "

☞ *See note of explanation on first page.*

CHILTON MANUF. CO.,

147 FULTON ST., NEW YORK. 141 MILK ST., BOSTON.

CHILTON PAINTS.

Colors in Oil and Japan, White Lead, Varnishes, Brushes, Etc.

Linseed Oil Paints for R. R. Stations and Metallic Paints in Linseed Oil for Freight Cars.

Correspondence Solicited and Color Cards sent on application.

H. N. JOSE, President. M. T. DENHAM, Treas. and Agent.

JAS. E. GREENSMITH, Supt.

EASTERN FORGE CO.,

MANUFACTURERS OF

Iron and Steel Forgings

— FOR —

Locomotive and Car Builders, Railroad and Machinists' Use.

SPECIALTY, LOCOMOTIVE SHAPES & DRIVING AXLES.

Works, East Deering, Me.

OFFICE, 416 FORE ST., PORTLAND, ME.

579 Painesville and Youngstown Ry.

See Pittsburgh, Painesville and Fairport RR.

580 Paris and Père Marquette RR.—Paris to Upper Paris, 16 miles.

1 John W. Moore ...	*Pres. & G. M.*..	Muskegon, Mich.
2 Charles J. Church..	*Secretary*..... .	Greenville, Mich.
3 George W. Crosby.	*Treasurer*.....	" "

General office, Greenville, Mich.

581 Park and Ocean RR.

See list of Street Railroads.

582 Parsons and Pacific RR.—Parsons to Coffeyville, 31 miles.

1 R. S. Stevens	*President*.....	Parsons, Kan.
2 C. H. Kimball.....	*Vice-President*.	" "
3 T. Penfield.....	*Gen. Manager*..	" "
4 Lee Clark..	*Sec. & Treas*...	" "
5 D. W. C. Perry ...	*Chief Engineer*	" "
6 H. D. Mirick	*Gen. East. Agt.*	" "

583 Paw Paw Railroad.—Lawton to Paw Paw, Mich., 4 miles; and

584 Toledo and South Haven RR.—Paw Paw to Hartford, Mich., 16 miles.

OFFICERS OF BOTH RAILROADS.

1 F. B. Adams	*President*.....	Lawton, Mich.
2 G. W. Longwell....	*V.-P.P.P.R.R.*	Paw Paw, Mich.
3 Henry Ford.....	*Secretary*.....	Lawton, Mich.
4 E. Martin	*Treasurer*.....	Paw Paw, Mich.
5 J. Ihling...	*Su. Aud. & R.M.*	Lawton, Mich.
6 J. S. Cross.	*Chief Engineer*	Bangor, Mich.

General office, Lawton, Mich.

585 Peach Bottom RR.—Oxford to Dorsey's, 20 miles.

1 C. W. Leavitt.....	*President*	New York, N. Y.
2 Robert B. Patterson	*Treasurer*	Oxford, Pa.
3 G. Renie Dickey[5].	*Supt. and Sec.*..	" "
4 E. H. Williams...	*Mas. Car. Bldr.*	York, Pa.
5 W. P. Kirk.....	*Master Mech*...	Oxford, Pa.

General office, Oxford, Pa.

586 Pennsboro'and Harrisville, Ritchie County Ry.—Pennsboro to Harrisville, W. Va., 9 miles.

1 M. P. Kimball.....	*Pr. Tr. & G. M.*	Pennsboro', W.Va
2 W. H. Pierpont....	*Secretary*.. ...	H'r's'nville, W.Va
3 A. J. Ramsay.....	*Road Master*...	Pennsboro', W.Va

General office, Pennsboro', W. Va.

587 Pennsylvania Railroad System.—The system of railroads operated and controlled by the Pennsylvania RR. Co. embraces (A) the lines operated directly by that company—viz.: (1) the United RRs. of New Jersey, (2) the Pennsylvania RR. proper, (3) the Philadelphia and Erie RR., with their several leased lines; (B) the various lines of railroad controlled through the Pennsylvania Company—an auxiliary organization—having an aggregate mileage of 3,322.3 miles, details of which are given on page 129; and (C) the various lines of railroad directly associated with this company, but whose independent organizations are maintained—(1) Northern Central Ry., (2) Philadelphia, Wilmington and Baltimore RR., (3) Baltimore and Potomac RR., (4) West Jersey RR., (5) Camden and Atlantic RR., (6) Camden and Philadelphia Steamboat Ferry, (7) West Jersey Ferry, (8) Junction RR., and (9) New York, Philadelphia, and Norfolk RR. Following are the

GENERAL OFFICERS, PENNSYLVANIA RR. CO.

1 George B. Roberts, *President*, Philadelphia, Pa.
2 John M. Hard ng, *Chief Clerk*, " "
3 Edmund Smith, *1st Vice-Pres't*, " "
4 Albert Hewson, *Secretary, Branch Roads*, Philadelphia, Pa.
5 Frank Thomson, *2d Vice-Pres't*, Philadelphia, Pa.
6 E. T. Postlethwaite, *Chief Clerk*, " "
7 Jos. N Du Barry, *3d Vice-Pres't*, " "
8 Fred'k W. Schwarz, *Chief Clerk*, " "
9 John P. Green, *4th Vice-Pres't*, " "
10 Lewis Neilson, *Chief Clerk*, " "

587 Pennsylvania Railroad System—GENERAL OFFICERS.—*Continued.*

11 John C. Sims, Jr., *Secretary*, Philadelphia, Pa.
12 D. S. Newhall, *Ass't Secretary*, " "
13 Robert H. Groff, *Chief Clerk*, " "

14 *General Assistants to the President.*—Wm. A. Patton, Clifford Stanley Sims, R. D. Barclay, Philadelphia, Pa.

TREASURY DEPARTMENT.

15 Robert W. Smith.	*Treasurer*.	Philadelphia, Pa.
16 Geo. E. Peabody..	*Ass't Treasurer*	" "
17 B. F. Crawford. .	*Cashier*.....	" "
18 Jos. R. Sagee	*Receiving Teller*	" "
19 Charles D. Young.	*Transfer Clerk.*	" "
20 Henry P. Rutter..	*Book-keeper*....	" "

NOTE.—The roads operated under the management of the *Pennsylvania Company* have separate operating officers; but the chief officers of the Transportation (including Mechanical), Passenger, Freight, Accounting and Legal Departments of the *Pennsylvania Railroad* proper discharge the same duties for nearly all the *Associated Lines* named above. The officials whose names here follow are for the Pennsylvania RR. proper, those who have charge of the same departments in the associated lines being so designated by their names appearing in italics, the numbers following the title referring to the associated lines (see first paragraph of Pennsylvania System) with which they are connected.

TRANSPORTATION DEPARTMENT.

21 *Chas. E. Pugh* 1, 2, 3, 4, 5, 6, 7... ..	*Gen. Manager*	Philadelphia, Pa.
22 *Wm. H. Brown* 1, 2, 3, 4, 5.....	*Chief Eng'r*..	" "
23 *Jos. T. Richards* 1, 2, 3.....	*As. Ch. Eng'r.*	" "
24 *H. F. Cox* 1.....	*Eng. of Sig*....	" "
25 *W. B. Powell* 1...	*Architect*.....	" "
26 *A. Gilpin* 1.....	*Insp. of Matls*..	" "
27 *Theo. N. Ely* 1, 2, 3, 4, 5..... ...	*G. S. Mot. Pr*	Altoona, Pa.
28 *John W. Cloud* 1..	*Mech. Eng'r*...	" "
29 *Axel S. Vogt* 1 ...	*As. Eng. of Tests*	" "
30 *C. B. Dudley* 1 ...	*Chemist*.... ...	" "
31 *F. N. Pease* 1.	*Ass't Chemist*..	" "
32 *J. F. Elder* 1.....	*Chf. In. of Air B.*	Philadelphia, Pa.
33 *Ambrose Ward* 1..	*Gen. Car Insp.*	Altoona, Pa.
34 *S. M. Prevost* 1, 2, 3, 4, 5..... ..	*G. S. of Trans.*	Philadelphia, Pa.
35 J. A. Anderson ...	*Su Ref'f Dept.*	Trenton, N. J.
36 Holmes D. Ely...	*As. Su. Ref. Dep*	" "

PENNSYLVANIA RAILROAD DIVISION.

37 R. E. Pettit.....	*Gen. Supt*.....	Altoona, Pa.
38 Wm. J. Latta.....	*Gen. Agent*....	Philadelphia, Pa.
39 Robert Pitcairn.	*Gen. Agent*	Pittsburgh, Pa.
40 Frank L. Sheppard	*Supt. Mot. Pow.*	Altoona, Pa.

41 *Master Mechanics, General Foremen, etc.*—H. D. Garrett, M. M. Mach. Shop, Isaac W. Van Houten, G. F. Car Shop, Wm. F. Rich, Asst. G. F., West Philadelphia, Pa.; Andrew O. Baker, M. M., Columbia, Pa.; A. R. Moss, Asst. M. M., Columbia, Pa.; Edward L. Caum, M. M. Mach. Shop, Samuel W. Myers, G. F. Car Shop, Harrisburg, Pa.; Isaiah Paxson, M. M., Lewistown, Pa.; C. R. Gilman, For., Huntingdon, Pa.; Andrew Green, For., Bedford, Pa.; W. H. Carothers, M. M., Tyrone, Pa.; G. W. Strattan, M. M. Mach. Shop, J. D. Bowman, Asst. M. M. Mach Shop, Altoona, Pa.; John P. Levan, G. F. Car Shop. Altoona, Pa.; R. Zane, M. M., Conemaugh, Pa.; W. B. Norris, M. M. Mach. Shop, W. A. Brady, Asst. M. M. Mach. Shop, M. H. Falls, G. F. Car Shop, Blairsville, Pa.; D. O. Shaver, M. M. Mach. Shop, Pittsburgh, Pa.; J. G. Stewart, G. F. Car Shops, Torrens, Pa.; Chas. N. Royce, G. F., Phillipston, Pa.; Wm. Lininger, G. F., Ormsby, Pa.

Road Foremen of Engines.

42 S. A. Wood	*Phil'a. Division*	West Phila., Pa.
43 S. Houston (*Ass't*).	*Phila. Division*	" "
44 G. C. Thayer (*Ass't*)	*Phila. Division*	" "
45 A. R. Moss.... ..	*Frederick Div.*	Columbia, Pa.
46 James B. Wells. .	*Middle Div*...	Harrisburg, Pa.
47 N. McD. Crawford (*Ass't*).....	*Middle Div*..	" "

☞ *See note of explanation on first page.*

GEO. WESTINGHOUSE, JR., President.
C. H. JACKSON, Vice-President.
CHARLES R. JOHNSON, Gen. Man. & Signal Engineer.

ROBERT PITCAIRN, Treasurer.
ASAPH T. ROWAND, Secretary.
HENRY SNYDER, Gen'l Agent.

The Union Switch & Signal Co.

OF PITTSBURGH, PENNA.,

SOLE MANUFACTURERS OF

Railway Interlocking, Switching & Signaling APPLIANCES.

INTERLOCKING SIGNALS,

FOR

Junctions, Grade Crossings and Terminals.

MECHANICAL & AUTOMATIC BLOCK SIGNALS.

FROGS, CROSSINGS, SWITCHES & SWITCH STANDS.

☞ Catalogues, Plans and Estimates furnished upon application and all information cheerfully given.

OFFICE AND WORKS:

SWISSVALE, PENNA.,

Near Pittsburgh, - - - *U. S. A.*

WESTERN AGENT:

H. H. McDUFFEE, Home Ins. Building, Chicago, Ill.

587 Pennsylvania Railroad System.—*Road Foremen of Engines.—Continued.*

48	Joseph Parks	*Tyrone Div.*	Tyrone, Pa.
49	W. B. Norris	*West Penn. Div.*	Blairsville, Pa.
50	J. K. Russell	*Pittsburgh Div.*	Derry, Pa.
51	M Forbes (*Ass't*)	*Pittsburgh Div.*	" "
52	M. W. Thomson	*Eng. M. of Way.*	Altoona, Pa.
53	Antes Snyder	*Eng R. of Way.*	Blairsville, Pa.

Philadelphia Division.

54	Thomas Gucker	*Superintendent*	West Phila., Pa.
55	Samuel J. Potts	*Train Master*	" "
56	Geo. W. Paxson	*Train Master.*	Pomeroy, Pa.
57	W. Heyward Myers	*Ass't Engineer.*	West Phila., Pa.
58	W. K. Beard	*Master Carp'r.*	Lancaster, Pa.

Schuylkill Division.

59	James Reed	*Superintendent*	Reading, Pa.
60	J. A. Hardy	*Train Master*	" "
61	F. F. Robb	*Asst. Engineer.*	" "
62	H. Beard	*Master Carp'r.*	" "

Frederick Division.

63	Wilson Brown	*Superintendent*	York, Pa.
64	A. W. Orwig	*Train Master*	" "
65	William B. Brooks	*Master Carp'r.*	" "

Middle Division.

66	O. E. McClellan	*Superintendent*	Harrisburg, Pa.
67	Geo. Kinter	*Train Master*	" "
68	C. K. Lawrence	*Ass't Engineer.*	" "
69	L. E. Wimer	*Master Carp'r.*	" "

Lewistown Division.

70	W. M. Phillips	*Superintendent*	Lewistown, Pa.
71	Chas. F. Kissinger	*Train Master*	" "
72	R. H. Myers	*Master Carp'r.*	" "

Bedford Division.

73	Robert L. Holliday	*Superintendent*	Bedford, Pa.
74	C. L. Bretz	*Train Master*	" "
75	J. H. Schnably	*Master Carp'r.*	" "

Tyrone Division.

76	S. S. Blair	*Superintendent*	Tyrone, Pa.
77	D. D. Wood	*Train Master*	" "
78	C. J. Bechdolt	*Ass't Engineer.*	" "
79	F. A. Knoles	*Master Carp'r.*	" "

Altoona Division.

80	J. B. Hutchinson	*Superintendent*	Altoona, Pa.
81	T. D. Wilkins	*Train Master*	" "

West Penn. Division.

82	A. P. Kirtland	*Superintendent*	Blairsville, Pa.
83	W. C. Richey	*Train Master*	" "
84	T. H. Dobson	*Ass't Engineer.*	" "
85	D. W. Artley	*Master Carp'r.*	" "

Pittsburgh Division.

86	Robert Pitcairn	*Superintendent*	Pittsburgh, Pa.
87	M. Trump	*Ass't Supt.*	" "
88	Edw. Pitcairn	*Train Master*	Derry, Pa.
89	Victor Wierman	*Ass't Engineer*	Pittsburgh, Pa.
90	W. M. Webb	*Master Carp'r.*	" "

Monongahela Division.

91	D. M. Watt	*Superintendent*	Pittsburgh, Pa.
92	J. L. Tucker	*Train Master*	" "
93	Geo. L. Cummins	*Ass't Engineer.*	" "
94	T. B. Murphy	*Master Carp'r.*	" "

UNITED RAILROADS OF NEW JERSEY DIVISION.

95	F. Wolcott Jackson	*Gen. Supt.*	Jersey City, N. J.
96	O. J. Geer	*Gen. Agent*	New York, N. Y.
97	Robert A. Shirrefs	*Su. Grain Elv.*	Jersey City, N J.
98	H. S. Hayward	*Supt. Mot. Pow.*	" "
99	E. F. Brooks	*Eng. M. of Way*	" "
100	Rob. Bloomsburg	*Su. J. C. Ferries*	" "
101	J. W. Lyon	*F. of Eng., J. C. Ferries*	" "

102 *Master Mechanics, General Foremen, etc.*—L. A. Bosdevex, M. M., E. F. Bosdevex, G. F., Meadows,

587 Pennsylvania Railroad System.—*Master Mechanics, General Foremen, etc.—Continued.*

N. J.; D. H. Baker, G. F., Jersey City, N. J.; Hobart Canfield, M. M., Hoboken, N. J.; Richard McDowell, M. M., Lambertville, N. J.; Thomas Kerr, M. M., Peter S. Bogart, G. F., South Amboy, N. J.; W. McAlister, M. M., Camden, N. J.

Road Foremen of Engines.

103	J. W. Sanford	*New York Div.*	Jersey City, N. J.
104	C. S. Thomas (*As.*)	*New York Div.*	" "
105	Jos. O. Thompson	*Amboy Div*	Jamesburg, N. J.
106	Rich. McDowell	*Belvidere Div.*	Lambertville, N. J

New York Division.

107	Joseph Crawford	*Superintendent*	Jersey City, N. J.
108	Geo. W. Waite	*Train Master*	" "
109	A. P. Gest	*Ass't Engineer.*	" "
110	C. C. Coats	*Master Carp'r.*	" "
111	G. W. Mershon	*Master Carp'r.*	Newark, N. J.

Amboy Division.

112	W. N. Bannard	*Superintendent*	Camden, N. J.
113	R. D. Keen	*Train Master*	" "
114	R. P. Snowden	*Ass't Engineer.*	" "
115	H. H. Vanatta	*Master Carp'r.*	Bordentown, N. J.

Belvidere Division.

116	Frank Ellmaker	*Superintendent*	Lambertville, N. J
117	Wm. H. Davis	*Train Master*	" "
118	A. W. Preston	*Ass't Engineer*	" "
119	Henry W. Dunn	*Ass't Su. D. & R. Canal*	Trenton, N. J.
120	D. C. Chase	*Su. Steam Towing, D. & R. Canal*	New York, N. Y.
121	Jno. G. Garretson	*Agt. Barges & Sch.*	Trenton, N. J.

PHILADELPHIA AND ERIE RR. DIVISION.

122	Robert Neilson	*Gen. Supt.*	Williamsport, Pa.
123	Edward D. Nelson	*Supt. Mot. Pow.*	" "
124	H. K. Stout	*Master Mech.*	Sunbury, Pa.
125	Wm. L. Holman	*Master Mech.*	Renovo, Pa.
126	James Gaskill	*Master Mech.*	Erie, Pa.
127	David Cowley	*G. F. Car Shops*	" "
128	A. C. Hippey	*Eng. M. of Way*	Williamsport, Pa.

Road Foremen of Engines.

129	Chas. May	*Eastern Div.*	Sunbury, Pa.
130	John W. Sheldon	*Middle Div.*	Renovo, Pa.
131	Lewis Hutchins	*Western Div.*	Erie, Pa.
132	H. B. Carr	*Sunbury Div.*	Sunbury, Pa.

Sunbury Division.

133	Alfred Walter	*Superintendent*	Sunbury, Pa.
134	Chas. M. Young	*Train Master*	" "
135	F. P. Abercrombie	*Ass't Engineer.*	" "
136	Geo. Karcher	*Master Carp'r.*	" "

Eastern Division.

137	Ezra B. Westfall	*Superintendent*	Williamsport, Pa.
138	Chas. A. Quiggle	*Train Master*	" "
139	Jos. R. Davis	*Ass't Engineer.*	" "
140	H. T. Brooks	*Master Carp'r.*	" "

Middle Division.

141	Thos. A. Roberts	*Superintendent*	Renovo, Pa.
142	Jno. N. Belford	*Train Master*	" "
143	D. H. Lovell	*Ass't Engineer.*	" "
144	Jos. S. Artley	*Master Carp'r*	" "

Western Division.

145	J. W. Reynolds	*Superintendent*	Erie, Pa.
146	Jos. S. Scobell	*Train Master*	" "
147	Jesse Supplee	*Ass't Engineer.*	" "
148	Jno. M. Smith	*Master Carp'r.*	" "

FREIGHT DEPARTMENT.

149	*John S. Wilson* 1, 2, 3, 4, 5	*Gen. Fgt. Traf. Agt.*	Phila., Pa.
150	*John Whittaker* 1, 2, 3, 4, 5	*Local Fgt. Agt*	" "

☞ *See note of explanation on first page.*

ADOLP. REINOEHL, President. RICHARD MEILY, Vice-President.
JOHN HUNSICKER, Treasurer.
JOHN B. RAUCH, Secretary. J. M. GETTEL, Superintendent.

LEBANON MANUFACTURING COMPANY,

Office, 205 North Tenth Street,

LEBANON, PA.

MANUFACTURERS OF

Box, Gondola, Cattle, Refrigerator, Coal, Ore, Drift, or Mine

CARS,

ALSO,

STEAM ENGINES, STATIONARY AND PORTABLE,

Furnace, Rolling-Mill and Mill Work of Every Description.

Wrought and Cast Iron Work of every description. Furnish all kinds of Wrought Iron Pipe. Brass and Iron Fittings for Water, Steam, Gas, etc., and Cast Iron Drain Pipe.

WALLACE PLOW CASTINGS AND PLOWS COMPLETE.

PENNSYLVANIA STEEL CO.

WORKS AT STEELTON, PA.

S. M. FELTON, President,
208 So. Fourth St.,
PHILADELPHIA.

S. W. BALDWIN, N. Y. Agt.,
No. 2 Wall Street,
NEW YORK.

L. S. BENT, V. P. and G. M.
F. W. WOOD, Supt.
At the Works, STEELTON, PA.

MANUFACTURERS OF

STEEL RAILS,

STEEL BLOOMS, BILLETS, BARS AND FORGINGS,

OF BESSEMER OR OPEN HEARTH STEEL, FOR ALL PURPOSES.

STEEL PRODUCING CAPACITY, 350,000 TONS PER YEAR.

STEEL SPLICES, Angle or Plain, to fit Various Patterns of Rails of All Sizes.

FROGS and CROSSINGS

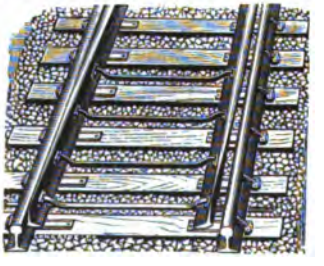
OF VARIOUS IMPROVED PATTERNS, OR TO SPECIFICATIONS, AS ORDERED.

The special improvements in Frogs introduced and made solely by this Company, are used and approved as standards on many of the most important railroads all over the country, and give always the best possible service.

IMPROVED

SPLIT SWITCHES.

An Extensive Variety of Patterns Suited to all Uses.



THE CELEBRATED

LORENZ SAFETY SWITCH.

The manufacture of Split Switches has been a specialty with this Company for many years.

SWITCH FIXTURES, OF ALL KINDS.

SWITCH STANDS, of MANY IMPROVED PATTERNS.

The capacity of the Frog, Switch and Signal Department of this Company greatly exceeds that of any similar manufactory in the country. With its thorough organization, its high standard of excellence, and unequalled facilities for economical production, offers inducements to railways desiring low prices, reliable work, and the best improvements.

For prices or information relating to this Department, address

G. W. PARSONS, Supt. F., S. and S. Dept., *STEELTON, PA.*

Read the other side of this leaf

PENNSYLVANIA STEEL CO.,

—— MANUFACTURERS OF ——

STEEL RAILS, STEEL BLOOMS,

STEEL FORGINGS, BARS AND BILLETS,

Steel Splices, Angle or Plain, to Fit Various Patterns of Rails of All Sizes

RAILROAD FROGS AND CROSSINGS,

IMPROVED SWITCHES, and SWITCH STANDS,

STEELTON, PA.

THE MAGNETO ELECTRIC

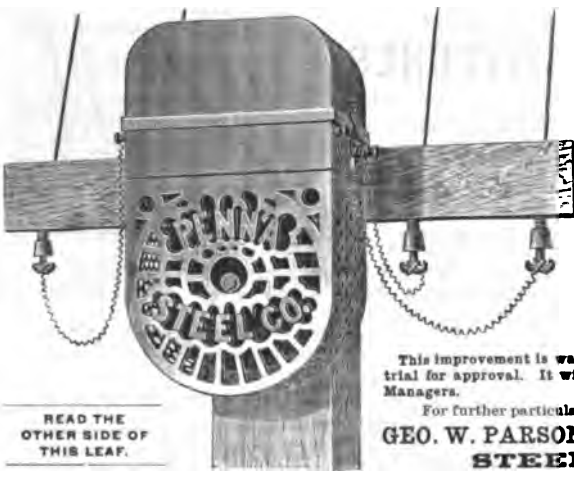
ALARM SIGNALS FOR HIGHWAY CROSSINGS.

OR, FOR ANNOUNCING THE APPROACH OF TRAINS AT STATIONS.

This important improvement has great advantages over anything which has ever been offered for similar purposes. By its judicious use Railroad companies may largely reduce the dangers to their own trains at highway crossings, and confine to moderate limits the expenses attending the protection of crossings in cities, towns, villages, and on rural highways.

It will be found to meet the requirements of the public for protection at dangerous crossings, and thus a moderate outlay may render unnecessary the much greater expense, recurring annually, which is involved by placing men at dangerous crossings.

The wheels of trains approaching the crossing effect the operation of substantial and durable instruments placed adjacent to the rail, (at suitable distances from the crossing,) and cause the generation of electricity from permanent magnets. Operation continues after train passes, while approaching crossing. Has no cup batteries. Cannot freeze up. Requires no material for maintenance, except oil. Easily managed by ordinary intelligence. Electrical experts are not required. The bell instrument (at the crossing shown in cut) makes a loud and urgent alarm, calculated to be regarded as important.



This improvement is warranted, and placed on six months' trial for approval. It will repay the attention of Railway Managers.

For further particulars address

GEO. W. PARSONS, Supt. F. S & S. Dept.,

STEELTON, PA.

READ THE OTHER SIDE OF THIS LEAF.

587 Pennsylvania Railroad System.—
FREIGHT DEPARTMENT.—*Continued.*

151 *F. H. Kingsbury* 1, 2, 3, 4, 5.	*Through Fg. A.*	New York, N.Y.
152 *Wm. H. Joyce* 1, 2, 3, 4, 5...	*Coal Fgt. Agt.*	Philadelphia, Pa.
153 *O. J. Geer* 1.	*Gen. Agent*.. ..	New York, N. Y.
154 F. D. Howell.....	*Claim Agent*...	Philadelphia, Pa.

Division Freight Agents.

155 Chas. A. Chipley..	*Penna. RR*. ..	Pittsburgh, Pa.
156 W. J. Rose.....	*Phila., Fred. & Schuy. Divs.*	Harrisburg, Pa.
157 E. G. Dixon....	*United of N. J. Div*....	Phila., Pa.
158 Sam'l L. Seymour	*Phila. & Erie Div*.....	Will'msport, Pa
159 W. A. Delaney...	*Live Stock Agt.*	West Phila., Pa.
160 T. C. Pollock..	*Foreign Elev. & Light. Agt.*	New York, N. Y.

161 *Freight Agents.*—C. M. Henney, Hartford, Hartford, Conn.; Matt. T. Hagen, Union Line, New York, N. Y.; W. J. Bogert, National Line, New York, N. Y.; J. T. Malin, Union Line, Philadelphia, Pa.; James Hackett, National Line, Philadelphia, Pa.; W. Palmer, Union Line, Wilmington, Del.

PASSENGER DEPARTMENT.

162 *Jas. R. Wood* 1, 2, 3, 4, 5	*Gen. Pass. Agt.*	Philadelphia, Pa.
163 *Geo. W. Boyd* 1, 2, 3, 4, 5.	*Ass't Gen. P. A.*	" "
164 *F. J. McWade* 1, 2, 3, 4, 5.	*Gen. Bag. Agt.*	" "
165 J. H. Wall, Jr..	*Dining Car Su.*	Jersey City, N. J.

Division Ticket Agents.

166 J. R. Erringer, Jr.	*Penna. RR*....	Philadelphia, Pa.
167 H. J. Fillman ...	*U. of N. J*.. .	" "
168 E S. Harrar. .. .	*Phila. & Erie*..	Williamsport, Pa.

169 *Passenger Agents.*—George M. Roberts, New England, Boston, Mass.; Samuel Carpenter, Eastern, New York, N. Y.; S. D. Kennedy, Long Branch District, Newark, N. J.; J. K. Shoemaker, Middle District, Philadelphia, Pa.; R. A. Parke, South Eastern District, Washington, D. C; Thos. E. Watt Western District, Pittsburgh, Pa.; J. G. McCann, Gen. European, Liverpool, Eng.

SUPPLY DEPARTMENT.

170 *Enoch Lewis* 2, 4, 5	*Purch. Agent*..	Philadelphia, Pa.
171 *Thos. P. Sargent* 4, 5..... ..	*Ass't Purch A.*	" "

ACCOUNTING DEPARTMENT.

172 *Robt. W. Downing* 2, 4, 5, 6, 7	*Comptroller*..	Philadelphia, Pa.
173 P. F. Hunter.....	*Chief Book-keep*	" "
174 *M. Riebenack* 2, 4, 5, 6, 7	*As. Comp. & Au. Pass. Rec.*	" "
175 *G. M. Taylor* 2, 4, 5.....	*Aud. Fgt. Rec*	" "
176 Jefferson Justice.	*As. A. Fgt. Rec*	" "
177 *K. H. Dungan* 2, 4, 5.....	*Chf. Account't*	" "
178 *A. J. Gillingham* 2, 4, 5. .	*As. Aud. P. Rec.*	" "
179 *Samuel Anderson* 2, 4, 5.....	*1st Chief Acc't.*	" "
180 *R. I. Heim* 2, 4, 5	*2d Chief Acc't.*	" "
181 *Thos. R. Davis* 2, 5.....	*Aud. Disb*	" "
182 J. D. Greene 2, 5	*As. Aud. Disb.*	" "
183 F. M. Bissell.....	*Au. Empire L.*	" "
184 P. Butler (*As.*)...	*Au. Empire L.*	" "
185 Wm. Hacker...	*Aud. Can. & Coal Co*....	" "

LEGAL DEPARTMENT.

186 *John Scott* 1, 2, 3, 4, 5, 6.....	*Gen. Solicitor*..	Philadelphia, Pa.
187 *James A. Logan* 1, 2, 3, 4, 5.	*Ass't Gen. Sol*	" "
188 *P. B. Prince* 1, 3, 4, 5.....	*Chief Clerk*....	" "

587 Pennsylvania Railroad System.—*Continued.*

REAL ESTATE AND INSURANCE DEPARTMENTS.

189 *John C. Wilson* 2, 4, 6, 7.....	*Real Estate Ag.*	Philadelphia, Pa.
190 *G. W. I. Ball* 2...	*Chief Conv*...	" "
191 Hugh B. Ely.....	*Sec. Ins. Dep*..	" "

General office, 233 South Fourth St., Philadelphia, Pa.

588 Pennsylvania Company.—This company controls and operates in the interest of the Pennsylvania RR. Co. lines of railroad aggregating 3,322.3 miles. The chief organizations of this system are the Pittsburgh, Fort Wayne and Chicago Ry., which is leased directly to the Pennsylvania RR. Co., the lease being assigned to the Pennsylvania Company; the Pittsburgh, Cincinnati and St. Louis Ry. and the Chicago, St. Louis and Pittsburgh, which the Penna. Co. controls through majority ownership. These railroads are operated in two systems—the North-west system, comprising the Pittsburgh, Fort Wayne and Chicago, 469.9 miles; Cleveland and Pittsburgh, 224 miles; Erie and Pittsburgh, 100 miles; Alliance, Niles and Ashtabula, 24.9 miles; Massillon and Cleveland RR., 12.2 miles; Ashtabula and Pittsburgh, 62.6 miles; New Castle and Beaver Valley, 14.9 miles; New Brighton and New Castle, 12.5 miles; Lawrence, 22 miles, and the North-Western Ohio, 86.5 miles; total, 1,029.5 miles; the South-west system, comprising the Pittsburgh, Cincinnati and St. Louis, 198.7 miles; Chartiers Ry., 24.8 miles; Waynesburg and Washington, 29 miles; Pittsburgh, Wheeling and Kentucky RR., 28 miles; Little Miami, 196.1 miles; Cincinnati and Muskingum Valley, 148.5 miles; Indianapolis and Vincennes, 128.9 miles; Jeffersonville, Madison and Indianapolis, 294.9 miles; Chicago, St. Louis and Pittsburgh, 580.5 miles; total, 1,536.6 miles. Total North-west and South-west systems, 2,566.9 miles. Other lines as follows: Grand Rapids and Indiana, 403.5 miles; Cincinnati, Richmond and Fort Wayne RR., 90.9 miles; Muskegon, Grand Rapids and Indiana RR., 40 miles; Traverse City, 26 miles; Bay View, Little Traverse and Mackinaw, 5.7 miles; St. Louis, Vandalia and Terre Haute, operated by Terre Haute and Indianapolis, 157.8 miles, and East St. Louis and Carondelet, 11.5 miles; total, 3,322.3 miles. Following are the general officers of all three companies: the Penna. Co., the P., C. and St. L., and the C., St. L. and P. Except where otherwise stated, officers for either one of these organizations singly being numbered as follows: Penna. Co., 1; P., C. and St. L., 2; C., St. L. and P., 3.

EXECUTIVE DEPARTMENT.

1 Geo. B. Roberts..	*President*	Philadelphia, Pa.
2 J. N. McCullough.	*1st Vice-Pres*...	Pittsburgh, Pa.
3 William Thaw ...	*2d Vice-Pres*...	" "
4 Thos. D. Messler.	*3d Vice-Pres*...	" "
5 J. T. Brooks.. ...	*Gen. Counsel*..	" "
6 S. B. Liggett.....	*Secretary*	" "
7 S. W. White... ..	*Ass't Secretary*.	Philadelphia, Pa.

ACCOUNTANT DEPARTMENT.

8 Thos. D. Messler..	*Controller*.....	Pittsburgh, Pa.
9 John W. Renner[4].	*Ass't Cont*. ...	" "
10 Albert McElevey..	*Aud. Ft. Recpts.*	" "
11 J. P. Farley[2].....	*Aud. Pr. Recpts*	" "
12 James Instan[7 8]...	*Aud. Disb*. ...	" "

TREASURY DEPARTMENT.

13 J. E. Davidson[3 9].	*Treasurer*.....	Pittsburgh, Pa.
14 J. P. Henderson[10]	*Ass't Treas*., 1.	" "
15 M. C. Spencer....	*A. Treas*., 2, 3.	" "

OPERATING DEPARTMENT—North-west System.

16 James McCrea....	*General Man*..	Pittsburgh, Pa.
17 W. A. Baldwin ..	*Manager*, 1....	" "
18 F. Slataper	*Chf Engineer*, 1	" "
19 Joseph Wood.....	*Sup. Mo. Pow*., 1	Fort Wayne, Ind.
20 H. W. Wynkoop..	*Sup. of Tel*., 1.	Crestline, O.
21 William Mullins[22]	*Purch. Agent*..	Pittsburgh, Pa.
22 R. F. Smith	*A. M. C. & P. RR*	Cleveland, O.
23 E. Yardley[11].....	*G. Car Acc't*.	Allegheny, Pa.

☞ *See note of explanation on first page.*

ESTABLISHED 1853. INCORPORATED 1873.

BASS FOUNDRY & MACHINE WORKS,

MANUFACTURERS OF

CAR WHEELS AND AXLES

FOR STANDARD AND NARROW GAUGE RAILROADS,

Railroad Castings and Forgings,

STEAM ENGINES, BOILERS,

MILL AND HEAVY MACHINERY,

Fort Wayne, Ind.

J. H. BASS, President.

J. I. WHITE, Secretary. R. J. FISHER, Treasurer.

588 Pennsylvania Railroad System.—*Continued.*

Superintendents—North-west System.

24	John Thomas	*C. & P. RR.*	Wellsville, O.
25	J. S. Morris	*N. W. O. RR.*	Toledo, O.
26	A. B. Starr	*P.Ft. W.&C.R.*	Allegheny, Pa.
27	C. D. Law	*P.Ft.W.&C.R.*	Fort Wayne, Ind.
28	J. M. Kimball	*E. & P. and A. & P. RRs.*	Lawrence Jct., Pa

OPERATING DEPARTMENT—South-west System.

29	James McCrea	*Gen. Manager.*	Pittsburgh, Pa.
30	John F. Miller	*Gen. Supt.*	Columbus, O.
31	M. J Becker	*Chief Eng.*, 2, 3	" "
32	Edward B. Wall	*S. M. Pow.*, 2, 3	" "
33	S. H. Church	*S. Transp.*, 2, 3	" "
34	E. C. Bradley	*A. S. Tel.*, 2, 3	" "
35	H. I. Miller	*E.Mt.of Way*, 1, 3, 5 *Div. C.St. L. & P. RR.*	Richmond, Ind.
36	L. F. Loree	*E.Mt.of Way*, 2,4*Div. C.St. L.& P. RR.*	Logansport, Ind.
37	B. W. Taylor	*En. Mt. of C. & M.V.Ry.*	Zanesville, O.
38	G. W. Kittridge	*E. Mt.of Way, J.M.&I.Rlt*	Louisville, Ky.
39	C. M. Bennett	*E. Mt.of Way, P., C.&S.L.R*	Pittsburgh, Pa.
40	W. H. Scriven	*E.Mt of Way, L. M. RR.*	Cincinnati, O.
41	M. A. Look	*E. Mt.of Way, I. & V.RR.*	Indianapolis,Ind.

Superintendents—South-west System.

42	E. B. Taylor	*P.C. & S.L.Ry.*	Pittsburgh, Pa.
43	Ralph Peters	*L. M. RR.*	Cincinnati, O.
44	J. J. Turner	1, 3, 5 *Div. C.St. L. & P. RR.*	Richmond, Ind.
45	Charles Watts	2, 4 *Div. C St. L. & P. RR.*	Logansport,Ind
46	M. W. Mansfield	*I. & V. RR*	Indianapolis, Ind.
47	W. F. Black	*J. M. & I. RR.*	Louisville, Ky.
48	F. G. Darlington	*C. & M. V. Ry.*	Zanesville, O.

FREIGHT DEPARTMENT.

49	William Stewart	*Gen. Fgt. Agt.*	Pittsburgh, Pa.
50	D. T. McCabe	*A. Ft. Ag.*, 2, 3	Columbus, O.
51	Charles L. Cole	*Ass. Ft. Agt.*, 1	Pittsburgh, Pa.
52	S. F. Gray	*Freight Agt.*, 3	Indianapolis, Ind.
53	J. B. Hill	*Gen. W. D. A.*, 3	Chicago, Ill.
54	R. W. Geiger	*Gen.Ft.Agt., J. M. & I.RR.*	Louisville, Ky.
55	G. W. Davis	*G. F. & T. Agt. C.&M.V.Ry.*	Zanesville, O.

Division Freight Agents.

56	James P. Orr	*P.F.W.&C.Ry.*	Pittsburgh, Pa.
57	William Borner	*P.F.W.&C.Ry.*	Chicago, Ill.
58	W. H. Stewart	*C. & P. RR.*	Cleveland, O.
59	G. V. Maus	*E. & P. and A. & P. RRs.*	Erie, Pa.
60	Frank Janes	*N. W. O. Ry.*	Toledo, O.
61	James Means	*P. C &St. L.Ry.*	Pittsburgh, Pa.
62	E. F. Fuller	*L. M. RR.*	Cincinnati, O.
63	S. F. Gray	*I. & V. RR.*	Indianapolis, Ind.

PASSENGER DEPARTMENT.

64	E. A. Ford	*G. P. & T. A.*	Pittsburgh, Pa.
65	F. Van Dusen	*C. A. & G. P. A.*	" "
66	R. R. Bentley	*Gen. Bag. Agt.*	" "

Assistant General Passenger Agents.

67	C. W. Adams	*P.F.W.&C.R.*,3	Chicago, Ill.
68	D. I. Roberts	*L. M. RR.*	Cincinnati, O.
69	H. R. Dering	*J.M. & I. and I. & V.RRs.*	Indianapolis, Ind.
70	C. L. Kimball	*Penna. Co.*	Cleveland, O.

District Passenger Agents.

71	J. H. Smith	2, 3	Columbus, O.
72	F. M. Caldwell	*Penna. Co*	Ft. Wayne, Ind.
73	A. Anderson	*J. M. & I.*, 2, 3	Louisville, Ky.
74	Sam'l Moody[2]	*Penna. Co.*	Pittsburgh, Pa.

588 Pennsylvania Railroad System.—*Continued.*

75 *Master Mechanics.*—G J. Parkin, Allegheny, Pa.; D. M. Peppard, Crestline, O.; F. D. Casanave, Fort Wayne, Ind.; W. F. Beardsley, Wellsville, O.; J. A. Wood, Erie, Pa.; D. A. Brandt, Toledo, O.

76 *Foremen Car Repairs.*—Henry Riddle, Allegheny, Pa.; Israel Lee, Fort Wayne, Ind.; D. S. McCardell, Chicago, Ill.; A. Steinbrenner, Cleveland, O.; J. B. Goff, Wellsville, O.; Joseph Underwood, Pendleton, O.; J. E. Smith, Columbus, O.; D. Young, Dennison, O.; T. Austin, Logansport, Ind.; E. H. Austin, Indianapolis, Ind.

77 *Road Masters.*—W. H. Potter, Allegheny, Pa.; Thomas Jackson, Fort Wayne, Ind.; H. W. Byers, Cross Cut P. O., Pa.; C. M. Cook, Toledo, O.; T. Dickson, Wellsville, O.

General office, Penn. Av. and Tenth St., Pittsburgh, Pa.

The two lines following are controlled in the manner stated on page 129.

588 (*a*) *Grand Rapids and Indiana RR.*

1	W. O. Hughart	*Pres. & G. M.*	Gd. Rapids,Mich.
2	W. R. Shelby[4 5 9]	*V.-Pres. & Tr.*	" "
3	J. H. P. Hughart	*Asst.to P.&Sec.*	" "
4	J. C. Holt	*Paymaster*	" "
5	C. L. Lockwood	*Gen. Pass. Agt.*	" "
6	C. E. Gill	*Gen. Ft. Agent.*	" "
7	J. M. Metheany	*Sup. N. Div.*	" "
8	P. S. O'Rourke	*Sup. S. Div*	Ft. Wayne, Ind.
9	G. S Johnson	*Chief Engineer*	Gd. Rapids,Mich.
10	F. A.Gorham[227813]	*Auditor*	" "
11	E. Wygant	*Gen. Bag. A.*	" "
12	S D. Bradley	*Master Mech.*	" "
13	Wm. Fitzgerald	*M. Trans., N.D.*	" "
14	J. W. Hunter	*M. Trans., S.D.*	Ft. Wayne, Ind.
15	John Hughart	*Fuel Agent*	Gd. Rapids,Mich.
16	J. R. Fish	*Fm. Loco. Rep.*	" "
17	W. J. Russell	*Fm. Car Paint.*	" "
18	S. G. Scott	*Supervisor*	Kalamazoo.Mich.
19	W. B. Stimson	*Supervisor.*	Gd. Rapids,Mich.
20	D. W. Moore[11]	*Car Accountant*	" "

General office, Grand Rapids, Mich. Transfer Agents, Winslow, Lanier & Co., 26 Nassau St., New York, N. Y.

588 (*b*) *Waynesburg and Washington RR.*

1	George B. Roberts	*President*	Philadelphia, Pa.
2	Thos. D. Messler	*Vice-President.*	Pittsburgh, Pa.
3	S. B. Liggett	*Secretary*	" "
4	J. E. Davidson[3 4]	*Treasurer*	" "
5	C. E. Bower	*Superintendent*	Waynesburg, Pa.
6	J. W. Renner[1 2]	*Auditor*	Pittsburgh, Pa.
7	M. Jacobs	*Mast. Machin'y*	Waynesburg, Pa.
8	A. M. Kline	*Mas. Car Reps.*	" "
9	J. D. McKahan	*Gen. Bag. A.*	" "

General office, Pittsburgh, Pa.

589 Pennsylvania System Associated Lines.

(*a*-1) *Northern Central Ry.*—Baltimore to Sunbury, including Rockville Branch (2.83), 139.62 miles; Green Spring Branch, 8.59 miles; leased and controlled lines, 229.24 miles.

1	George B. Roberts	*President*	Philadelphia, Pa.
2	Frank Thomson	*Vice-President.*	" "
3	Stephen W. White	*Secretary*	" "
4	John S. Leib	*Treasurer*	" "
5	A. W. Hendrix	*Cashier*	" "
6	James P. Kerr	*Auditor.*	Baltimore, Md.
7	John S. Ruth	*Ass't. Auditor.*	" "

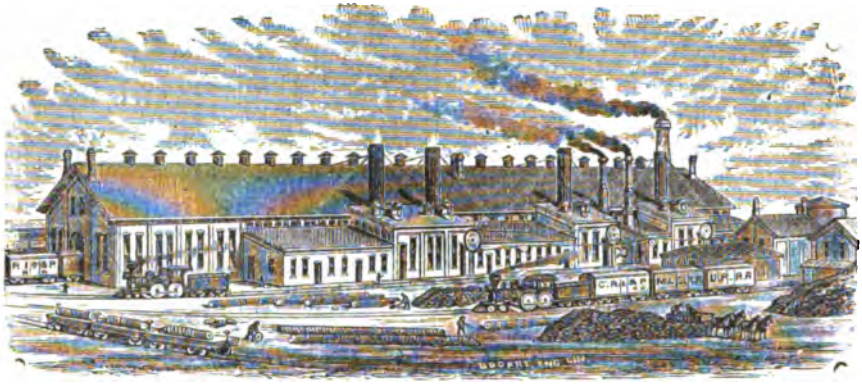
Transportation Department.

8	Robert Neilson	*Gen. Supt.*	Williamsport, Pa.
9	Geo. C. Wilkins	*Gen. Agent*	Baltimore, Md.
10	A. C. Hippey	*Eng.M.of Way.*	Williamsport, Pa.
11	Edward D. Nelson	*Su.Mot. Power.*	" "
12	J. G. Searles	*Div. Ft. Agt*	Baltimore, Md.
13	S. L. Seymour	*Div. Ft. Agt.*	Williamsport, Pa.
14	E. S. Young	*Balt. Div. T. A.*	Baltimore, Md.
15	E. S. Harrar	*Tkt.A.Sus.S. Elm.&C.Dvs.*	Williamsport, Pa.
16	A. W. Sumner	*Purch. Agent*	Baltimore, Md.
17	John S. Leib	*Treas.Ins.Dep.*	" "

☞ *See note of explanation on first page.*

J. H. BASS,

MANUFACTURER OF



Car, Engine, Tender, Truck and Driving

WHEELS.

CYLINDERS,

Railroad and General Castings.

Office, 97 DEARBORN STREET,
Works, near C., R. I. & P. R. R. Shops, } **CHICAGO, ILL.**

A. WALLACE, Supt.

589 Pennsylvania System Associated Lines.—*Continued.*

DIVISION OFFICERS.

18 *Master Mechanics.*—J. M. Coale, Baltimore, Md.; John S. Funk, Marysville, Pa.; James Strode, Elmira, N. Y.

19 G. W. Demarest..	*G. F. Car Shp.*	Baltimore, Md.

Road Foremen of Engines.

20 H. R. Linthicum..	*Balto Div*.....	Baltimore, Md.
21 Charles May... ..	*Susq. Div*.....	Sunbury, Pa.
22 H. B. Carr	*Shamokin Div*	" "
23 John Bailey.....	*Elmira & C.D.*	Elmira, N. Y.

Baltimore Division.

24 H. W. Kapp	*Superintendent*	Baltimore, Md.
25 S. O. Malin... ...	*Train Master*..	" "
26 Louis H. Barker..	*Ass't Engineer.*	" "
27 John Minsker.....	*Mas. Carpenter*	York, Pa.

Susquehanna Division.

28 E. B. Westfall.....	*Superintendent*	Williamsport, Pa.
29 David Attick.....	*Train Master*..	Sunbury, Pa.
30 J. R Davis	*Ass't Engineer*	Williamsport, Pa.
31 H. T. Brooks.....	*Mas. Carpenter*	" "

Shamokin Division.

32 Alfred Walter.....	*Superintendent*	Sunbury, Pa.
33 C. M. Young.....	*Train Master*..	" "
34 F. P. Abercrombie	*Ass't Engineer.*	" "
35 George Karcher...	*Mas. Carpenter*	" "

Elmira and Canandaigua Division.

36 Spencer Meade....	*Superintendent*	Elmira, N. Y.
37 F. E. Fitch	*Train Master*..	" "
38 W. F. Hopkinson.	*Ass't Engineer.*	" "
39 Seymour Smith...	*Mas. Carpenter.*	" "

General office, Calvert Station, Baltimore, Md. Transfer Agency, 233 South Fourth St., Philadelphia, Pa.

(*b*-2) *Philadelphia, Wilmington and Baltimore RR.*—Philadelphia to Baltimore, Md., 96 miles; branches, 30 miles; leased and operated, 286 miles.

1 Isaac Hinckley....	*President* ...	Philadelphia, Pa.
2 Frank Thomson .	*Vice-President.*	" "
3 Robert Craven.. ...	*Sec. & Treas*...	" "

Transportation Department.

4 H. F. Kenney.....	*Superintendent*	Philadelphia, Pa.
5 J. M. Wallis.....	*Sup. Mo. Pow.*	" "
6 A. Feldpauche....	*Eng. M. of Way*	" "
7 George Stephens..	*Div. Ft. Agt*..	" "
8 Geo. A. Dadmun..	*Div. Tkt Agt*..	" "
9 W. J. Latta.....	*Gen. Agent* ...	" "
10 G. C. Wilkins.....	*Gen. Agent* ...	Baltimore, Md.

DIVISION OFFICERS.

10 *Master Mechanics, Foremen, etc.*—B. S. Douglass, F., Philadelphia, Pa.; J. W. Pennepacker, F., West Philadelphia, Pa.; H. D. Gordon, M. M., Wilmington, Del.; W. H. Lungren, G. F., Wilmington, Del.; John Orem, F., Bay View, Baltimore, Md.

Road Foremen of Engines.

11 A. O. Denio.....	*Md. Div. P. W & B.; B. & P. RR.; A. & W. RR.; A. & F. Ry*.....	Wilmington, Del.
12 R. E. Marshall....	*Asst., ditto*....	" "
13 L. D. Tufts.....	*Delaware Div*..	" "

Maryland Div. P. W. & B. RR.; B. & P. RR.; A. & W. RR.; and A. & F. Ry.

14 H. H. Carter.....	*Superintend't*..	Wilmington, Del.
15 Frank Carlisle....	*Train Master*..	" "
16 A. E. Reed	*Asst. Engineer.*	" "
17 J. L. Smith.	*Mast. Carp*....	" "

Central Division.

18 L. K. Lodge.....	*Superintend't*..	Media, Pa.
19 J. G. Ruth.....	*Train Master*..	" "
20 M. H. Mancill. ...	*Mast. Carp*....	Oxford, Pa.

589 Pennsylvania System Associated Lines.—*Continued.*

Delaware Division.

21 I. N. Mills... . .	*Superintend't*..	Clayton, Del.
22 B. Murphey.....	*Train Master* .	" "
23 L. W. Allibone. ...	*Asst. Engineer.*	" "
24 H. Seiders.....	*Master Carp*...	" "

General office, 233 South Fourth St., Philadelphia, Pa.

(*c*-3 *Baltimore and Potomac RR.*—Baltimore to Pope's Creek, 73 miles; Washington branch, 19 miles; Catonsville Short Line, 4 miles.

1 Oden Bowie.....	*President*.....	Baltimore, Md.
2 Frank Thomson ..	*Vice-President*..	Philadelphia, Pa.
3 James P. Kerr ..	*Sec. & Auditor*	Baltimore, Md.
4 John S. Leib	*Treasurer*	" "
5 John S. Ruth.....	*Asst. Auditor*..	" "
6 J. G. Searles.....	*Div. Fgt. Agt* .	" "
7 E. S. Young... ..	*Div. Tkt. Agt*..	" "
8 R. E. Boyd.....	*Act. Pas. A. B. D*	" "
9 R. A. Parke.....	*Pass. A. S. E D*..	Washington, D.C.
10 A. W. Sumner...	*Purch. Agent*	Baltimore, Md.

Transportation Department.

11 H. F. Kenney	*Gen. Superint*..	Philadelphia, Pa.
12 G. C. Wilkins.....	*General Agent*.	Baltimore, Md.
13 J. M. Wallis	*S. Mot. Power*..	Philadelphia, Pa.
14 Jesse Lescallett...	*Foreman*.....	Washington, D.C.
15 R. F. Downs.	*For. Car Shop.*	" "
16 A. Feldpauche	*Eng. M. of Way*	Philadelphia, Pa.
17 H. H. Carter	*Superintend't*..	Wilmington, Del.
18 Frank Carlisle....	*Train Master*..	" "

General office, Calvert Station, Baltimore, Md.

(*d*-4) *West Jersey RR.*—Camden to Cape May, 81 miles; Bridgeton Branch, 20 miles; other branches and leased lines, 99 miles.

1 George B. Roberts	*President*.....	Philadelphia, Pa.
2 W. J. Sewell.....	*Vice-President*.	Camden, N. J.
3 William Taylor....	*Sec. & Treas*...	Philadelphia, Pa.
4 A. O. Dayton... ..	*Superintend't*..	Camden, N. J.
5 J. J. Burleigh.....	*Train Master*..	" "
6 G. W. Creighton..	*Asst. Engineer.*	" "
7 C. C. Williams....	*Mast. Carp*....	" "
8 W. Rickard.....	*Road F. of Eng*	" "
9 E. W. Coffin.	*Div. Fgt. Agt*..	" "
10 J. S. Hackett.....	*Div. Tkt. Agt*..	Philadelphia, Pa.
11 Jefferson Justice..	*As. Aud. F. R.*	" "

General office, Federal St., Camden, N. J. Fiscal Agency and Transfer office, 233 South Fourth St., Philadelphia, Pa.

(*e*-5) *Camden and Atlantic RR.*—Camden to Atlantic City, 59 miles; Philadelphia, Marlton and Medford RR., 11.5 miles; South Atlantic Branch, 7.05 miles.

1 Wm. L. Elkins....	*President*.....	Camden, N. J.
2 Wm. J. Sewell....	*Vice-President.*	" "
3 DanM Zimmerman	*Secretary*....	" "
4 Wm. Taylor.....	*Treasurer*.....	Philadelphia, Pa.
5 A. O. Dayton	*Superintendent*	Camden, N. J.
6 H. S. Hayward ...	*Supt. Mo. Pow.*	Jersey City, N. J.
7 J. J. Burleigh.....	*Train Master*..	Camden, N. J.
8 G. W. Creighton..	*Asst. Engineer.*	" "
9 C. C. Williams....	*Master Carp*...	" "
10 Rufus Hill.....	*Mast. Mech*.....	" "
11 E. W. Coffin	*Div. Fgt. Agt*..	" "
12 J. S Hackett.....	*Div. Tkt. Agt*..	Philadelphia, Pa.
13 D. M. Zimmerman	*S. Real Est. Dep*	Camden, N. J.

General office, Camden, N. J.

(*f*-6) *Camden and Philadelphia Steamboat Ferry Co.*

1 Edmund Smith.....	*President*.....	Philadelphia, Pa.
2 Wm. H. Gatzmer..	*Sec. & Treas*...	" "
3 Peter L. Voorhees..	*Solicitor*.....	Camden, N. J.
4 A. B. Frazee.....	*Superintendent*	" "
5 Mark A. McGrillis..	*Ferry Agent*...	Philadelphia, Pa.

(*g*-7) *West Jersey Ferry Co.*

1 Edmund Smith....	*President*.....	Philadelphia, Pa.
2 John F. Joline	*Sec. & Treas*...	Camden, N. J.
3 Jno. G. Hutchison..	*Superintendent*	" "
4 Mark A. McGrillis.	*Ferry Agent*...	Philadelphia, Pa.
5 Peter L. Voorhees..	*Solicitor*.....	Camden, N. J.

☞ *See note of explanation on first page.*

PRESIDENT,
GEORGE WESTINGHOUSE, JR.

VICE-PRESIDENT AND GENERAL MANAGER,
C. H. JACKSON.

TREASURER,
JOHN H. DALZELL.

SECRETARY,
J. W. MARSH.

STANDARD
UNDERGROUND CABLE CO.,

GENERAL OFFICES:

91 Fifth Ave., Pittsburgh, Pa.,

BRANCH OFFICES:

16, 18 & 20 Cortlandt St., N. Y., 139 East Madison St., Chicago, Ill.,

— AND —

128 PEARL ST., NEW YORK,

MANUFACTURERS OF

The Waring Anti-Induction and Bunched Cables,

AND ACHESON COMPOUND CABLE,

For Telegraph, Telephone, Electric Light and Power Underground, Submarine and Aerial.

LIGHT LEADED CABLES FOR HOUSE USE.

ALL WORK GUARANTEED.

589 Pennsylvania System Associated Lines—*Continued.*

(*h-8*) *Junction RR.*—Belmont to Gray's Ferry, 4 miles.

1 Isaac Hinckley....	*President*.....	Philadelphia, Pa.
2 John C. Sims, Jr...	*Secretary*.....	" "
3 Robert Craven.....	*Treasurer*.. ...	" "
4 W. F. Lockard.....	*Superintend't*..	" "
5 A. Feldpauche. . . .	*Engineer*.....	" "

(*i-9*) *New York, Philadelphia and Norfolk RR.*—Delmar to Cape Charles, 95 miles; Crisfield Branch, 17 miles.

1 A. J. Cassatt.....	*President* ...	Philadelphia, Pa.
2 William A. Patton[2]	*Vice-President*.	" "
3 J. G. Cassatt[2]. ...	*Treasurer*.. ...	" "
4 Wm. Carlss, Jr.[2 3]	*Sec. & Auditor*.	" "
5 H. W. Dunne[2 7 8 9 11]	*Superintend't*..	Cape Charles, Va.
6 R. B. Cooke[1 6]	*Gen. P. & F. Agt*	Norfolk, Va.
7 G. W. Russell	*Mast. Mech*....	Cape Charles, Va.
8 W. B. Allwine.....	*Supervisor*.....	PocomokeC'y, Md
9 A. G. Manahan. ...	*Train Master*..	Cape Charles, Va.

General office, Cape Charles, Va. Transfer office, 305 Walnut St., Philadelphia, Pa.

(*j*) *Delaware, Maryland and Virginia RR.*—Lewes to Harrington, 40 miles; Georgetown to Franklin City, 55 miles, with branches, 7 miles. Owned and operated by Philadelphia, Wilmington and Baltimore RR. Co.

General office, 233 South Fourth St., Philadelphia, Pa.

590 Pennsylvania RR. in Maryland.

See George's Creek and Cumberland RR.

591 Pennsylvania and New York Canal and RR.

See Lehigh Valley RR.

592 Pennsylvania, Slatington and New England RR.—Columbia to Wind Gap, 13 miles; Deckertown to Papakating, 5 miles.

1 A. P. Berthond. ...	*President*.	New York, N. Y.
2 S. M. Schanck	*V.-Pres. & Sec.*	Hightstown, N. J.
3 Ezra J. Sterling....	*Treasurer*.....	New York, N. Y.
4 E. J. Fallon.	*Superintendent*	" "
5 A. B. Paine.....	*Chief Engineer*	" "

General offices, Jersey City, N. J., and 73 Broadway, New York, N. Y.

593 Pensacola and Atlantic RR.—Pensacola, Fla., to River Junction, Fla., 161 miles. This line is a part of the Louisville and Nashville system.

1 M. H. Smith.....	*President*.....	Louisville, Ky.
2 W. D. Chipley ..	*V.-P. & Land C.*	Pensacola, Fla.
3 R. K. Warren	*Secretary*.....	Louisville, Ky.
4 J. T. Harahan.	*Gen. Manager*..	" "
5 E O. Saltmarsh....	*Superintend't*.	Pensacola, Fla.
6 N. D. Robb.....	*Master Mech*...	" "
7 F. W. Dunn.....	*Road Master*...	" "
8 J. M. Culp	*Gen. Fgt. Agt*..	Louisville, Ky.
9 Theo. Welch.....	*Gen. Fgt. Agt*..	Montgomery, Ala
10 F. C. Shepard.....	*Div. Fgt. Agt*..	Pensacola, Fla.
11 C. P. Atmore.....	*Gen. Pass. Agt*.	Louisville, Ky.

594 Pensacola and Perdido RR.—Pensacola to Millview, 10 miles.

1 B. F. Simmons.....	*Pres. & Supt* .	Pensacola, Fla.
2 H. W. Simmons[2]...	*Sec. & Treas*...	" "
3 J. H. Bagby.	*Gen. T. & F. Ag*	" "
4 G. H. Meredith....	*Mast. Machin*..	" "
5 Thomas Holihan...	*Road Master*...	" "
6 J. Reynolds.....	*M. Car Repairs*	" "

General office, Pensacola, Fla.

595 People's Railway.—Pottsville to Minersville, 5 miles.

1 Thos. A. Reilly	*President*.....	Pottsville, Pa.
2 W. D. Pollard[2].....	*Sec. Tr. & Supt*	" "
3 John Diener	*For. Rep. Shops*.	" "

General office, Pottsville, Pa.

596 Peoria, Decatur and Evansville Ry.

See Evansville and Terre Haute Railroad.

597 Peoria and Pekin Union Ry.—Pekin to Peoria, 10 miles; Peoria and Springfield Division, 9 miles.

1 A. L. Hopkins....	*President*.....	New York, N. Y.
2 Henry Graves.....	*Vice-President*.	" "
3 H. K. Pinkney.....	*Treasurer*.....	Peoria, Ill.
4 T. B. Burnett[1 2 5]..	*G. S. F. & T. Agt*	" "
5 F. B. Ogden.....	*Asst. Supt*. ...	" "
6 Jas. M. Hill.....	*Mast. Mechanic*	" "
7 J. H. Morrison.....	*Supt. Teleg*....	" "
8 J. G. Evans	*For. Car Rep*..	" "
9 G. Wetzler..	*For. Br. & Bld*.	" "

General office, Peoria, Ill.

598 Peoria Terminal Ry.

1 D. P. Phelps.....	*President*... ...	Monmouth, Ill.
2 Russell Sage.....	*Vice-President*.	New York, N. Y.
3 J. R. Hanna.....	*Secretary*.....	Monmouth, Ill.
4 William Hanna....	*Treasurer*	" "
5 J. F. Wallace.....	*Chief Engineer*	" "
6 Alfred Sully..	*Transfer Agt*..	New York, N. Y.

General office, Monmouth, Ill. Transfer office, 115 Broadway, New York, N. Y.

599 Perkiomen RR.

See Philadelphia and Reading RR.

600 Petersburg RR.

See Atlantic Coast Line.

601 Philadelphia and Atlantic City RR.—Camden to Atlantic City, 54 miles.

1 Austin Corbin....	*President*.....	Philadelphia, Pa.
2 Albert Foster.....	*Secretary*	" "
3 John Welch[3 4]....	*Treasurer*....	" "
4 A. A. McLeod.....	*General Man*..	" "
5 S. Garwood.....	*Superintend't*..	" "
6 J. Lowrie Bell....	*Gen. Traf. Mgr*.	" "
7 C. G. Hancock[2]...	*Gen. P. & T. Ag*.	" "
8 D. Jones..... ..	*Controller*.... .	" "
9 H. K. Nichols.....	*Chief Eng*.....	" "
10 G. A. Schaeffer....	*Gen. Bag. Agt*.	" "
11 H. C. Norton.....	*Purch. Agent*..	" "
12 John F. Auch.....	*Div. Fgt. Agt*..	" "

Office, 227 South 4th St., Philadelphia, Pa.

602 Philadelphia, Newtown and New York RR.

See Philadelphia and Reading RR.

603 Philadelphia and Reading RR.—Philadelphia to Mt. Carbon, 98.4 miles, with branches and leased lines, 766.4 miles, total length, 864.8 miles.

CORPORATE OFFICERS.

1 Austin Corbin.....	*President*.....	Philadelphia, Pa.
2 W. R. Taylor.....	*Secretary*.....	" "
3 W. A. Church. ...	*Treasurer*	" "

General and Division Officers of the Receivers of the Philadelphia and Reading Railroad Company.

4 George de B. Keim 5 Stephen A Caldwell 6 Austin Corbin...	*Receivers*....	Philadelphia, Pa.
7 Albert Foster	*Secretary*.....	" "
8 W. A. Church[3 4 9].	*Treasurer*.....	" "
9 A. A. McLeod.....	*Gen. Manager*..	" "
10 Chas. M. Heald....	*As. to Gen. Man*	" "
11 J. Lowrie Bell....	*Gen. Traff. Man*	" "
12 I. A. Sweigard....	*Gen. Supt*.....	" "
13 G. W. Cushing....	*Su. M. P. & R. E.*	Reading, Pa.
14 C. G. Hancock.	*Gen. Pass. Agt*.	Philadelphia, Pa.
15 H. K Nichols... .	*Chief Engineer*.	" "
16 H. C. Norton.....	*Purch. Agent*..	" "
17 A. H. O'Brien.....	*Solicitor*.....	" "
18 J. H. Loomis.... .	*Real Estate A*.	" "
19 Daniel Jones	*Controller*.....	" "
20 Wm. G. Brown....	*Aud. of Dist*..	" "
21 George Zeigler....	*Aud. of Tr. Rec*	" "
22 H. W. Hancock...	*Au Coal Trans*.	" "

☞ *See note of explanation on first page.*

Purity, Ductility and Softness.

FIRE-BOX STEEL.

Quality Unsurpassed.

Boiler, Locomotive and Smoke-Stack Steels.

PLATES UP TO 100 INCHES IN WIDTH.

SHOENBERGER & CO.,

Pittsburgh, Pa.

TRAIN TELEGRAPHY.

THE

Railway Telegraph & Telephone Co.

Telegraphic Communication Between Fixed Stations and Moving Trains.

EDISON-GILLILAND-SMITH SYSTEM.

THIS Company is prepared to negotiate with Railroad Companies throughout the United States and Canada for the application of its system of communicating between fixed telegraphic stations and moving trains or trains on sidings. Full information will be furnished upon application at the offices of the Company.

General Offices, No. 2 West Fourteenth Street, New York.

President,
EUGENE CROWELL.

Secretary and Treasurer,
A. S. BEVES.

Manager,
F W. TOPPAN.

603 Philadelphia and Reading RR.—
General and Division Officers, etc.—Continued.

23 W. B. Scott[2]	*Au. Mdse & P Tr*	Philadelphia, Pa.
24 A. W. Guy	*Paymaster*	" "
25 James Colhoun	*Div. G. Fgt. A.*	" "
26 John H Jones	*G. A. Coal Traf.*	" "
27 H. A. Snyder	*Through F. A.*	" "
28 E. Darrach	*Missing Coal & Fgt. Agt.*	" "
29 D. S. Grafly	*Div. Fgt. Agt.*	" "
30 A. J. Speese[7 9 11]	*Gen. Car Agt.*	" "
31 C. E. Metzler	*Asst G. Car Agt.*	" "
32 George A Schaffer	*Gen. Bag. Agt.*	" "
33 L. B. Paxson	*Asst. Supt. M. P.*	Reading, Pa.
34 R. B. Cable	*Su Main Line D.*	" "
35 M. F. Bonzano	*Supt. G. & N. Br. & N P & B. B. Divs.*	Philadelphia, Pa.
36 A. A. Hesser	*Su Mahanoy Div*	Mahanoy Plane Pa
37 W. G. Yetter	*S. Catawissa D*	Catawissa, Pa.
38 H. W. Tracy	*S Pine Grove D.*	Pine Grove, Pa.
39 O. W. Stager	*Supt. Teleg.*	Reading, Pa.
40 W. B Gallagher	*S. Steam Coll's*	Philadelphia, Pa.
41 E. F. Smith	*Su & En Canals*	Reading. Pa.

Corporate Officers of Coal and Iron Co.

42 Austin Corbin	*President*	Philadelphia, Pa.
43 W. R. Taylor	*Secretary*	" "
44 W. A. Church	*Treasurer.*	" "

General Officers of the Receivers of the Philadelphia and Reading Coal and Iron Company.

45 George de B. Keim	*Receivers.*	Philadelphia, Pa.
46 Stephen A Caldwell		
47 Austin Corbin		
48 F. P. Kaercher	*Secretary*	" "
49 W. A. Church	*Treasurer*	" "
50 A. H. O'Brien	*Solicitor*	" "
51 T. M. Richards	*Gen. Coal Agt.*	" "
52 John H. Wiestling	*First Auditor*	" "
53 Thos. S. Marsh	*Second Auditor*	Pottsville, Pa.
54 S. C. Harris	*L. & So. S. Agt*	Philadelphia. Pa.
55 S. B. Whiting	*Gen. Manager*	Pottsville, Pa.
56 Frank Carter	*Land Agent*	" "
57 W. E. C. Coxe	*Supt. Rol. Mills*	Reading, Pa.

(*a*) *Perkiomen RR.*—Perkiomen Junction to Emaus Junction, 38½ miles.

1 A. H. Seipt	*President*	Skippackville, Pa
2 James Boyd	*As. P. & Gen. So.*	Norristown, Pa.
3 H. Boyd	*Treas. & Pur. A.*	" "
4 Philip Super	*Secretary*	Pennsburg, Pa.
5 D. B. Clack	*Superintendent*	Perkiomen J., Pa.
6 G. B. Boggs	*C. Eng. & Con.*	Norristown, Pa.
7 Robert Moyer	*Road Master*	Collegeville, Pa.
8 F. C. Boggs	*Auditor*	Norristown, Pa.

(*b*) *Philadelphia. Newtown and New York RR.*—Philadelphia to Newtown, 22.08 miles.

1 James Boyd	*President*	Norristown, Pa.
2 Howard Boyd	*Sec. Tr. & Pu. A.*	" "
3 W. M. Geary	*Superintendent*	" "

(*c*) *Stony Creek RR.*—Norristown to Lansdale, 10.04 miles; State Asylum Branch, 0.85 miles.

1 James Boyd	*President*	Norristown, Pa.
2 Howard Boyd[5]	*Sec. Tr. & Pu. A*	" "
3 Joseph Kohl	*Road Master*	" "
4 F C. Boggs	*Auditor*	" "
5 G. B. Boggs	*Supt. & Eng.*	" "

General office (P. & R. RR.), 227 South Fourth St., Philadelphia, Pa.

604 Philadelphia, Wilmington and Baltimore RR.

See Pennsylvania System, Associated Lines.

605 Piedmont Air Line.

See Richmond and West Point Terminal.

606 Piedmont and Cumberland RR.—Under construction from Piedmont to Cumberland, 23 miles; 18 miles of track laid. An extension of the West Virginia Central and Pittsburgh RR.

1 Stephen B. Elkins	*President*	New York, N.Y.
2 H. G. Buxton	*Sec. & Treas.*	Piedmont, W. Va.

607 Pine Bluff and Swan Lake RR.—Rob Roy to Lower Swan Lake, 26.05 miles; Astor Point Branch, 1 mile.

1 C. M. Neel	*President*	Pine Bluff, Ark.
2 T. F. Burks	*Vice-President.*	" "
3 C. M. Neel, Jr.	*Sec. & Treas.*	" "
4 J. J. Martin	*Chief Engineer*	" "
5 Ben Buck	*Mgr. F. & P. A.*	" "
6 John McCrery	*Road Master*	" "

Locomotive and Car Repair Shops at Lake Dick, Ark.

608 Pine Creek Ry.

See Fall Brook Coal Co.

609 Pittsburg Railroad.—Pittsburg to Somerville, 5 miles. (Operations Suspended.)

1 J. Baker	*President*	San Francisco, Cal
2 C. J. Deering	*Vice-President.*	Oakland, Cal.
3 Samuel Baker	*Secretary*	" "

General office, 202 Sacramento St., San Francisco, Cal.

610 Pittsburgh and Castle Shannon RR.—Pittsburgh to Castle Shannon, 6 miles.

1 S Kaufman	*President*	Pittsburgh, Pa.
2 Walter Chess	*Vice-President.*	" "
3 E. J. Reamer	*Treas. & Sec.*	" "
4 John Jahn	*Superintendent*	" "
5 E. J. Reamer	*Aud. G. P. & F. A*	" "
6 J. S. Devlin	*Chief Engineer*	" "
7 H. Ward.	*Master Mech.*	Castle Shannon, P
8 W. E. Long	*Mast. Car Bldr.*	Pittsburgh, Pa.

General office, Pittsburgh, Pa.

611 Pittsburgh, Chartiers and Youghiogheny RR.—Pittsburgh to Beechmont, 17 miles.

1 J. E. Schwartz	*President*	Pittsburgh, Pa.
2 George S. Griscom	*V.-P. & Gen. M.*	" "
3 R. T. Hill[1 2 3 4 6 7 8 9 10]	*Sec. & Treas.*	" "
4 G. S. Davison	*Chief Eng. & S.*	Chartiers, Pa.
5 Hazen Brown[11]	*Car Account't.*	Pittsburgh, Pa.

General Office, 60 Fourth Avenue, Pittsburg, Pa.

612 Pittsburgh, Cincinnati and St. Louis Ry., and

613 Pittsburgh, Fort Wayne and Chicago RR.

See Pennsylvania Company.

614 Pittsburgh and Lake Erie RR.—Pittsburgh to Youngstown, 68 miles; Newcastle Branch, 3 miles; leased lines, 64 miles.—Total, 135 miles.

1 John Newell	*President*	Chicago, Ill.
2 D. Hostetter	*Vice-President.*	Pittsburgh, Pa.
3 J. G. Robinson[3 4 9 10]	*Sec. & Treas.*	" "
4 W. C. Quincy	*General Man.*	" "
5 Frank A Dean	*Gen. Fgt. Agt.*	" "
6 E. Holbrooke	*Chf. Engineer.*	" "
7 A. D. Neeld	*Asst. Engineer*	" "
8 A. D. Smith[2 6 7 8]	*Gen. Pass. Agt.*	" "
9 John D. Murray	*Auditor*	" "
10 S. W. Haines	*Master Mech.*	" "
11 R. W. Jones	*Mast. Transp.*	" "
12 D. Hardy	*Tr M P. & L E R R*	" "
13 J. B. Yohe	*Tra. Mast. P. McK. & Y R R*	Dawson, Pa.
14 R. Evans	*Purchasing Agt*	Pittsburgh, Pa.
15 H. C. Johnson[11]	*Car Account't.*	" "
16 W. L. Herbert	*Fore. Loc. Rep.*	" "
17 G. F. Naylor	*Fore. Loc. Rep.*	Youngstown, O.
18 W. H. Tallman	*Fore. Car Rep.*	Dawson, Pa.
19 William Quest	*Fore. Car Pntrs*	Pittsburgh, Pa.
20 Lewis Seabold	*Fore. Carp.*	Beaver, Pa.

21 *Road Masters.*—P. Glancy, Homestead, Pa.; J. W Corcoran, Beaver Falls, Pa.; C. Erickson, Dawson, Pa.

General office, Pittsburgh, Pa.

615 Pittsburgh, Marion and Chicago Ry.—New Galilee to New Lisbon, 25 miles.

1 John I. Holly	*President*	New York, N.Y.
2 Henry M. Curtis	*Treas. & As. Sec*	" "

☞ *See note of explanation on first page.*

The George Place Machinery Co.,

121 CHAMBERS and 103 READE STS., NEW YORK.

RAILWAY AND MACHINE SHOP EQUIPMENT

OF EVERY DESCRIPTION.

Including Engines, Boilers, Shafting, Pulleys, Hangers, and all Plant necessary to complete Railway Machine Shop and Foundry.

W. W. SCRANTON, President. WALTER SCRANTON, Vice-President.
E. P. KINGSBURY, Secretary and Treasurer.

THE

SCRANTON STEEL COMPANY,

MANUFACTURERS OF

Steel Rails & Billets.

WORKS AT SCRANTON, PA.

New York Office, 47 BROADWAY.

615 Pittsburgh, Marion and Chicago Ry. —*Continued.*

3 R. W. Tayler	*Secretary*	New Lisbon, O.
4 N. B. Billingsley	*Counsel*	" "
5 C. DeClark	*Gen. Manager*	" "
6 G. W. Dixon	*Superintend't*	New Galilee, Pa.
7 H. T. Hanna	*Gen. F. & P. Agt*	" "

General office, New Lisbon, O.

616 Pittsburgh, Painesville and Fairport RR.—Niles to Youngstown (N. G), 11 miles Remainder of line leased to Pittsburgh and Western RR.

1 Solon Humphreys	*President*	New York, N.Y.
2 R. K. Paige	*Vice-President*	Painesville, O.

General office, Painesville, O.

617 Pittsburg and Western RR.

See Baltimore and Ohio RR.

618 Plant Investment Company.

This company controls the railway and steamship properties named below.

EXECUTIVE OFFICERS.

1 Henry B. Plant	*President*	New York, N. Y.
2 H. P. Hoadley	*Sec. & Asst. Tr.*	" "
3 G. D. Tilley	*Tr. & Asst. Sec.*	" "
4 H. S. Haines	*General Man.*	Savannah, Ga.

5 *Agents.*—J. D. Hashagen (Eastern), New York. N. Y.; O. G. Pearson, Boston, Mass.; J. B. Andrews, Baltimore, Md.; J. M. Clement, Philadelphia, Pa.; W. Hughes (North-west Pass), Chicago, Ill.; Marion Knowles (South-western Pass), New Orleans, La.

(*a*) *Plant Steamship Line.*
People's Line of Steamers.

1 J. W. Fitzgerald	*Superintendent*	Jacksonville, Fla.
2 J. T. Porry	*Supt. & Eng.*	Savannah, Ga.

(*b*) *Charleston and Savannah Ry.*—Savannah to Charleston, 115 miles.

1 H. B. Plant	*President*	New York, N. Y.
2 B. F. Newcomer	*Secretary*	Baltimore, Md.
3 J. M. Lee[3 4]	*Treasurer*	Savannah, Ga.
4 H. S. Haines	*Gen. Manager*	" "
5 C. S. Gadsden	*Superintend't*	Charleston, S. C.
6 E. P. McSwiney	*G. F. & P. A. & A*	" "
7 W. B. W. Howe, Jr.	*Chief Engineer*	Savannah, Ga.
8 H. A. Ulmo	*M. M. & Car Bld.*	" "
9 H. W. Ulmo	*For. Loc Rep.*	" "
10 P. E. Meyers	*For. Loc. Rep.*	Charleston, S. C.
11 J. W. Craig	*M. Tran. & R. M*	" "
12 G. S Fanning	*Supervisor*	Ravenel, S. C.
13 G. W. Gross	*Supervisor*	Ridgeland, S. C.

General office, Charleston, S. C.

(*c*) *Savannah, Florida and Western Ry.*—Savannah to Chattahoochee, 259 miles; branches, 266 miles.

1 Henry B. Plant	*President*	New York, N. Y.
2 W. S. Chisholm	*Vice-President*	Savannah, Ga.
3 R. B. Smith	*Secretary*	New York, N. Y.
4 J. M. Lee	*Treasurer*	Savannah, Ga.
5 H. S. Haines	*General Man.*	" "
6 R. G. Fleming	*Superintend't*	" "
7 G. W. Haines[7 8 11]	*Ass't Supt.*	" "
8 Wm. P. Hardee	*G. F. & P. Agt.*	" "
9 W. M. Davidson	*Gen. Traf. Agt.*	Jacksonville, Fla.
10 W. B. W. Howe, Jr.	*Chief Engineer*	Savannah, Ga.
11 W. B. McKee	*Controller*	" "
12 C. T. Morel[2]	*Aud. of Engs*	" "
13 A. A. Avellhe	*Purch. Agent*	" "
14 C. D. Owens	*Traffic Man.*	" "
15 O. W. Jackson	*Master Trans.*	" "
16 George M. D. Riley	*Mast. of Mach.*	" "
17 H. W. Reed	*Mast. of Roadw*	Waycross, Ga.
18 J. L. Adams	*Passenger Agt.*	Savannah, Ga.
19 E. Geffcken	*For. Car Dept.*	Savannah, Ga.

General office, Savannah, Ga.

(*d*) *South Florida RR.*—Sanford to Tampa, 115 miles.

1 James E. Ingraham	*Pres. & Gen. M.*	Sanford, Fla.
2 R. M. Pulsifer	*Vice-President*	Boston, Mass.
3 C. C. Haskell[3 4]	*Treasurer*	Sanford, Fla.

618 Plant Investment Co.—*South Florida RR.*—*Continued.*

4 F. H. Rand	*Sec. G. F. & T. A.*	Sanford, Fla.
5 B. R. Swoope	*Gen. Supt.*	" "
6 Wilbur McCoy[2]	*Aud. & G F & T A*	" "
7 H. S. Haines	*Chief Eng.*	" "
8 F. A. Dickens, Jr.	*Gen. Road M.*	" "
9 J. S. Oliver	*Div. E'd Mast.*	Kissimmee, Fla.
10 W. S. Walker	*Div. E'd Mast.*	Lakeland, Fla.
11 V. B. Chapman	*Brg. For.*	" "
12 L. M. Malsby	*Brg. For.*	" "
13 T. L. Jenkins	*Foreman M. T.*	Kissimmee, Fl
14 H. M. Landers	*Foreman M. T.*	Lakeland, Fla.
15 M. M. Derby	*Master Mech.*	Sanford, Fla.
16 A. B. Allen	*Mas. Car Bdr.*	" "
17 E. F. Barnes	*Storekeeper*	" "

General office, Sanford, Fla.

619 Pontiac, Oxford and Port Austin RR.—Pontiac to Caseville, 100 miles.

1 G. W. Debevoise	*President*	New York, N. Y.
2 C. A. Carpenter	*Vice-President*	Eames, Mich.
3 Chas. H. Stone	*General Mgr.*	New York. N. Y.
4 F. H. Carroll[3 4 9 10]	*Sec. & Treas.*	Pontiac, Mich.
5 J. Houston[1 5 6 11]	*Gen. Supt. G. T. & F. Agt.*	" "
6 W. C. Sanford[2 7 8]	*Auditor*	" "
7 G. A. Nettleton	*Chief Engineer*	" "
8 W. E. Bailey	*Supt. Teleg.*	" "
9 E. B. Carhart	*Mech. Foreman*	" "
10 Geo. Cadogan	*For. Car Rep.*	" "

General office, Pontiac, Mich.

620 Pontiac Pacific Junction Ry.—Projected from Aylmer, P. Q., to Pembroke, Ont., 80 miles, of which completed from Aylmer to Coulowge, P. Q., 61 miles.

1 L. Ruggles Church	*President*	Montreal, P. Q.
2 H. J. Beemer	*V.-Pres. & M. D.*	" "
3 J. D. McDonald	*Sec. & Treas.*	" "
4 J. T. Prince, Jr.	*Superintendent*	Aylmer, P. Q.

General office, Aylmer, P. Q.

621 Port Dickinson and Chenango River RR.—Junction S., B. & N. Y. RR. to Chenango River, 1 mile. Operations suspended.

1 George Q. Moon	*President*	Binghamton, N.Y
2 Robert J. Bates	*Sec. & Treas.*	" "

General office, Binghamton. N. Y.

622 Port Huron and North-Western Ry.—Port Huron to Saginaw, 91 miles; branches, 127 miles.

1 John P. Sanborn	*President*	Port Huron, Mich.
2 C. F. Harrington	*Vice-President*	" "
3 Fred. L. Wells	*Sec. & Treas.*	" "
4 Henry McMorran[5]	*Gen. Manager*	" "
5 I. R. Wadsworth	*Su. & Traf. Mgr*	" "
6 E. C. Chamberlin[5 6 9 10]	*Cashier*	" "
7 George Bent[1 2 7 8]	*Asst. G. F & P. A*	" "
8 Arthur L. Reed	*Chief Engineer*	" "
9 E. A. Cole	*Road Master*	" "
10 C. Diefenbach	*Master Mech.*	" "
11 B. Hillier	*Mast. Car B'r.*	" "
12 H. H. McNutt	*Man. P. H & N. Express*	" "

General office, Port Huron, Mich.

623 Port Jervis, Monticello and New York RR.—Port Jervis to Monticello, 24 miles.

1 Henry R. Low	*President*	Middletown, N.Y.
2 Wade Buckley	*Vice-President*	Port Jervis, N.Y.
3 O. P. Howell	*Treasurer*	" "
4 Chas. Clark	*Sec. & Supt.*	" "

624 Portland and Ogdensburg RR.—Portland to Fabyan's, 91 miles; Scott's Mills to Lunenburg. 3 miles.

1 S. J. Anderson	*Pres. & Rec.*	Portland, Me.
2 J. W. Dana[3 4]	*Treas. & Cash.*	" "
3 Charles H. Foye[2 5]	*Clerk & G. T. A.*	" "

☞ *See note of explanation on first page.*

POOR & GREENOUGH,

34 Wall Street, New York.

RAILWAY BONDS.

Investments in Railway Securities a Specialty.

CORRESPONDENCE SOLICITED FROM ALL WISHING TO BUY OR SELL RAILROAD BONDS.

PRIME SECURITIES FOR INVESTMENT ALWAYS ON HAND.

Investment or speculative purchases made upon the New York and London Stock Exchanges, either for cash or upon a margin. Interest paid on deposits, which will be received subject to check at sight.

POOR & GREENOUGH, 34 Wall Street, New York.

DOUGLASS GREEN.
W. W. DUDLEY.

A. E. BATEMAN.
R. G. MURPHY.
Members N. Y. Stock Exchange.

GREEN & BATEMAN,

« Bankers, »

11 WALL ST., corner of NEW ST.,

NEW YORK.

Private Wires to Chicago, Richmond, Washington, Boston, Portland, and Intermediate Points.

BRANCH OFFICES CONNECTED BY PRIVATE WIRES:

BATEMAN & CO., ... Washington, D. C.
NEW YORK HOTEL, ... 721 Broadway, New York.
CASINO BUILDING, ... Newport, R. I.
HOLLYWOOD COTTAGES, . Hollywood, Long Branch, New Jersey.

624 Portland and Ogdensburg RR.—*Continued.*

4 W. Tolman.....	*Gen. Fgt. Agt..*	Portland, Me.
5 Jonas Hamilton[7 8]	*Superintend't..*	" "
6 John F. Anderson.	*Chief Eng....*	" "
7 M. L. Babb..	*Mast. of Mach..*	" "
8 W. G. Brewer.....	*Mast. Car Rep..*	" "
9 Elisha Newcomb..	*Road Master...*	Cumberl'd M.Me.
10 A. C. Urquhart....	*For. Paint Shp.*	Portland, Me.
11 P. N. Watson.....	*Sup. of Bridges.*	Bartlett, N. H.

General office, Portland, Me.

625 Portland and Rochester RR.—Portland to Rochester, 52.50 miles.

1 George P. Wescott.	*President.....*	Portland, Me.
2 W. H. Conant[3 4 9 10 6]	*Treas. & Sec...*	" "
3 J. W. Peters.	*Sup. & Pur. Agt*	" "
4 J. W. Peters[2 6 7 8 11]	*Gen. Tkt Agent*	" "
5 J. Morrill.....	*Road Master...*	Rochester, N. H.
6 E. H. C. Tompson {	*Mast. Mech.* / *M. Car Reps.* }	Portland. Me.
7 T. D. Griffin.....	*For. Car Pnts.*	" "

General office, Portland, Me.

626 Portland and Willamette Valley RR.—Elk Rock to Dundee, 24 miles.

1 William Reid	*President.....*	Portland, Ore.
2 Geo. P. Bissell.....	*Vice-President.*	Hartford, Conn.
3 Portland Nat. Bank	*Treasurer .....*	Portland, Ore.
4 Edwin Wilcox.	*Secretary .. ..*	" "
5 C. N. Scott..... ...	*Superintend't..*	" "
6 H. Hawgood.	*Ch'f Engineer.*	" "
7 William M. Watson	*Road Master...*	" "

General office, Portland, Ore.

627 Port Royal and Augusta Ry.

See Central of Georgia RR.

628 Potomac, Fredericksburg and Piedmont RR.—Fredericksburg to Orange Court House, 38 miles.

1 L. H. Richards	*President.. ..*	Philadelphia, Pa.
2 W.H.Richards[1 2 3 5 6]	*Gen. Mgr. & Tr.*	Fredericksb'g, Va
3 S. G. Daniel	*Acting Sec....*	" "
4 W. Goldsmith.....	*Road Master...*	" "
5 W. Livingston.....	*Road Carpent..*	" "
6 W. P. Johnson.....	*Master Mach...*	" "

General office, Fredricksburg, Va.

629 Poughkeepsie, Hartford and Boston RR.

See New York and Massachusetts RR.

630 Pratt Coal and Iron Company's RR.—Birmingham to Pratt Mines, 6 miles; Helena Mines to Helena, 3 miles.

1 Enoch Ensley	*Pres. & G. M..*	Pratt Mines, Ala.
2 Napoleon Hill.....	*Vice-President.*	Memphis, Tenn.
3 Thomas D. Radcliff	*Treasurer .....*	Pratt Mines, Ala.
4 J. H. Smith...	*Secretary.....*	Memphis, Tenn.
5 L. W. Gude.....	*Superintend't..*	Pratt Mines, Ala.
6 J. B. McClary.....	*Gen. T. & F. Ag.*	" "
7 L. W. Johns	*Chief Engineer*	" "
8 P. G. McAllister....	*Road Master. .*	" "

General office, Pratt Mines, Ala.

631 Prescott and Arizona Central RR.—Prescott Junction to Prescott, 74 miles.

1 Thos. S. Bullock...	*Pres. & G. M.*	Prescott, Ariz.
2 F. A. Tritle.	*Vice-President.*	" "
3 W. E. Hazeltine...	*Treasurer ....*	" "
4 W. N. Kelly.	*Secretary.....*	" "
5 Lemuel H. Wilson.	*Au. & Traf. Mgr*	" "
6 J. G. Crowley.....	*Supt. of Cons..*	" "
7 Oscar Vanderbilt...	*Gen. Pass. Agt.*	" "

General office, Prescott, Ariz. New York office, 40 & 42 Wall St.

632 Prince Edward Island Ry.

See Canadian Government Rys.

633 Profile and Franconia Notch RR.—Bethlehem Junction to Profile House, 10 miles; Bethlehem Division, 4 miles.

1 John H. George....	*President.....*	Concord, N. H.
2 C. H. Greenleaf....	*Treas. & Supt.*	Profile H'se, N.H.
3 C. H. Greenleaf....	*Gen. Pass Agent*	" "
4 Geo. T. Craft.....	*Gen. Ft. Agt...*	" "
5 Samuel N. Bell	*Clerk.....*	Manchester, N.H.

General office, Whitefield, N. H. Transfer office, 31 Milk St., Boston, Mass.

634 Prospect Park and Coney Island RR.—Brooklyn to West Brighton Beach, Coney Island, 6 miles; New York and Coney Island RR., 2½ miles.

1 Andrew R. Culver..	*President.....*	Brooklyn, N. Y.
2 A'n C. Washington[1 2 3 4].....	*Trs. & G. T. A.*	New York, N. Y.
3 H. A. Faron.....	*Secretary. ....*	Brooklyn, N. Y.
4 R. Schermerhorn[2].	*Eng. & Supt...*	" "
5 Martin Painter.....	*Master Mech...*	" "
6 Daniel Slater.... .	*For. Car Rprs.*	" "
7 James Carney.....	*For. Car Pntr.*	" "
8 John Carter.....	*F. T. C. & R..*	" "

General office, 16 Court St., Brooklyn, N. Y. Locomotive Repair Shops at Brooklyn, N. Y. Car Repair Shops at Coney Island, N. Y.

635 Providence and Springfield RR.—Providence to Pascoag, 23 miles.

1 Wm. Tinkham[5 7 8]	*Pres. & Gen. M..*	Providence, R. I.
2 Jabez C. Knight....	*Secretary. ....*	" "
3 E. W. Tinkham....	*Treasurer .....*	" "
4 Fred. Arnold.....	*G. Ps. & Tk. A.*	" "
5 W. W. Logee..... ..	*Gen. Ft. Agt...*	" "
6 Hiram Smith	*Gen. Bag. Agt..*	" "
7 George Tuley....	*Master Mech...*	" "
8 Robert B. Bishop..	*Road Master...*	Georgeville, R. I.

636 Providence, Warren and Bristol RR.

See Boston and Providence RR.

637 Providence and Worcester RR.—Providence to Worcester, 43 miles; East Providence Branch, 7 miles.

1	*President.....*	Providence, R. I.
2 W. A. Leete[3 4 9 10]	*Treasurer.....*	" "
3 Charles Howard[6 11]	*Gen. Superint..*	" "
4 Charles Howard...	*Gen. Pass. Agt.*	" "
5 Julius E. Bacon.	*Gen. Fgt. Agt..*	" "
6 Jas. A. Windsor[2 7 8]	*Auditor.....*	" "
7 J. W. Ellis.....	*Chief Engineer*	Woonsocket, R.I.
8 W. F. Ellis.....	*Road Master...*	" "
9 A. Griggs.....	*Sup. Mot. Pow*	Providence, R. I.
10 R Hawkes.....	*F. Loco. Rprs..*	Valley Falls, R.I.
11 D. W. Hunter.....	*Fm. Car Rprs.*	" "
12 H. W. Walton....	*F. Car Pntrs..*	" "

General office, Providence, R. I. Repair Shops, Valley Falls, R. I.

638 Quebec Central Ry.—Sherbrooke to Levis, 139 miles; branches, 24 miles.

1 J. G. Robertson...	*President.....*	Sherbrooke, Que.
2 R. D. Morkill	*Vice-President.*	" "
3 J. A. Archambault[1]	*Secretary. ...*	" "
4 J. H. Walsh	*A. G. F. & P. A.*	" "
5 J. R. Woodward..	*Gen. Manager.*	" "
6 A. Steele.....	*Superintendent*	" "
7 A. H. Anderson[3 4 5]	*cting Cashier*	" "
8 John Farquhar....	*Supt. of Brgs .*	" "
9 James Severight..	*Mast. Mech....*	" "
10 P. Dion.....	*Road Master...*	Levis, Que.
11 J. H. Walsh[2].....	*Auditor .....*	Sherbrooke, Que.
12 J. T. Prince, Jr...	*Gen. U. S. Agt.*	Boston, Mass.

General office, Sherbrooke, Que.

639 Quebec and Lake St. John Ry.—Operated by company: Quebec to River à Pierre, 58 miles. Operated by contractor: River à Pierre to Lake Kiskisink, 78 miles. Will be completed to Lake St. John, 184 miles, in September.

1 J. G. Ross.....	*President.....*	Quebec, Que.
2 E. Beaudet.....	*Vice-President*	" "

☞ *See note of explanation on first page.*

"MORAL: INSURE IN THE TRAVELERS."

THE TRAVELERS INSURANCE COMPANY. HARTFORD, CONN.

Original Accident Company of America, Largest in the World; also, Best of Life Companies.

RATES AS LOW AS CONSISTENT WITH SAFETY.

ASSETS, $9,111,000. SURPLUS, $2,129,000.

ACCIDENT POLICIES only $5 per Year to Professional and Business Men, for each $1,000 with $5 Weekly Indemnity. Not Forfeited by change of occupation, but paid *pro rata*.

ACCIDENT TICKETS 25 cts. per day, $4.50 for 30 days; for sale at all local agencies and leading Railroad stations.

BEST LIFE POLICY in the Market. Indefeasible, Non-Forfeitable, World-Wide.

Paid Policy-holders $13,000,000. Pays ALL CLAIMS Without Discount, and immediately upon receipt of Satisfactory Proofs.

JAS. G. BATTERSON, Pres't. RODNEY DENNIS, Sec'y. JOHN E. MORRIS, Asst. Sec'y.

HONESTY GUARANTEED.

Fidelity and Casualty Company,

214 & 216 BROADWAY, NEW YORK.

CASH CAPITAL, $250,000.00, INVESTED IN U. S. GOV'T BONDS.

$200,000.00 deposited with the N. Y. Ins. Dep't for the protection of policy-holders.

ASSETS, JANUARY 1st, 1885, $512,026.11.

Officials of Banks, Railroads and Transportation Companies, Managers, Secretaries and Clerks of Public Companies, Institutions and Commercial firms, can obtain

BONDS OF SURETYSHIP

from this Company, at moderate charges.

THE BONDS OF THIS COMPANY ARE ACCEPTED BY THE COURTS OF THE STATE OF NEW YORK.

ACCIDENT POLICIES,

INSURING AGAINST DEATH OR DISABLING INJURY.

Full information as to details, rates, etc., can be obtained on application at the office.

WM. M. RICHARDS, Pres. JOHN M. CRANE, Sec'y. ROBERT J. HILLAS, Ass't Sec'y.

DIRECTORS.

George T. Hope, G. G. Williams, George S. Coe, Charles Dennis, J. S. T. Stranahan, A. B. Hull, A. S. Barnes, S. B. Chittenden, H. A. Hurlbut, W. G. Low, David Dows, J. D. Vermilye, Alex. Mitchell, Wm. M. Richards.

Counsel: MOORE, LOW & SANFORD.

639 Quebec and Lake St. John Ry.—*Continued.*

3 J. G. Scott	*Sec. & Manager.*	Quebec, Que.
4 J. Lennon	*Auditor*	" "
5 Alexandre Hardy	*Gen. F. & P. Ag.*	" "
6 P. Allen	*Ass't Supt.*	St. Raymond, Qu.
7 James Cadman	*Chief Engineer*	" "
8 A. L. Light	*Cons. Engineer*	Quebec, Que.
9 M. Wakefield	*Mast. Mechanic*	St. Raymond, Qu.
10 Michael Carpenter	*Road Master*	" "
11 Jules Belanger	*Fuel Agent*	" "

General office, Quebec, Que.

640 Queen and Crescent Route.—Comprising the following lines: Cincinnati, New Orleans and Texas Pacific Ry. Co. (Lessees of Cincinnati Southern Ry.); Alabama Great Southern Railroad; New Orleans and North-Eastern Railroad; Vicksburg and Meridian Railroad; and Vicksburg, Shreveport and Pacific Railroad.

GENERAL OPERATING OFFICERS.

1 John C. Gault	*Gen. Manager*	Cincinnati, O.
2 Richard Carroll	*Gen. Supt.*	Meridian, Miss.
3 E. M. Johnson	*Gen. Counsel*	Cincinnati, O.
4 G. B. Nicholson	*Chief Eng'r*	" "
5 James Meehan	*Supt. M. P. & M.*	Ludlow, Ky.
6 C. C. Harvey[2 7 8]	*Comptroller*	Cincinnati, O.
7 R. W. Healy	*Purch. Agt.*	" "
8 M. Walsh	*Supt. Br. & Bu.*	Meridian, Miss.
9 H. Collbran	*G. Ft. & P. A.*	Cincinnati, O.
10 R. X. Ryan	*Ass't G. F. A.*	" "
11 C. B. Grey	*Ass't G. P. A.*	" "
12 I. Hardy	*As. G. F. & P. A.*	Vicksburg, Miss.
13 J. M. Knight	*Ticket Agent*	New Orleans, La.
14 Charles Patton	*Paymaster*	Cincinnati, O.
15 S. O. Parker[11]	*Car Account't.*	Meridian Miss.
16 F. A. Zimmerman	*Gen. Bag. Ag.*	Cincinnati, O.
17 W. S. St. George	*En. F. & P. Agt.*	New York, N. Y.
18 Paul H. Ravesies	*Gen. Agent*	St. Louis, Mo.
19 W. H. Newman	*Gen. Agent*	Louisville, Ky.
20 S. R. Johnson	*Gen. Agent*	Atlanta, Ga.
21 John K. Hogan	*North. Pass. A.*	Detroit, Mich.
22 Neil C. Kerr	*Trav. Pass. A.*	Cincinnati, O.
23 Frank W. Woolley	*Trav. Pass. A.*	Lexington, Ky.
24 Thomas Kilkeny	*No. E'n A.*	Rochester, N. Y.
25 C. S. Henry	*No. W'n A.*	Chicago, Ill.
26 Parker Dickson	*Trav. Attorn'y*	Cincinnati, O.
27 E. E. Everett	*Trav. Pass. A.*	Chattan'ga, Tenn.
28 W. E. Reynolds	*Trav. Pass. A.*	Atlanta, Ga.
29 D. J. Mullaney	*City Pass. Ag.*	Cincinnati, O.
30 W. H. Kidd	*Resident Agt.*	Jacksonville, Fla.
31 Geo. F. Lupton	*Southwest Agt.*	Dallas, Tex.

CORPORATE AND DIVISION OFFICERS.

(*a*) *Alabama Great Southern Ry.*—Wauhatchie to Meridian, 290 miles.

1 Charles Schiff	*President*	Cincinnati, O.
2 R. V. Tomlinson	*Secretary*	London, Eng.
3 Ferd. Hahn[3 4 9 10]	*Treasurer*	Cincinnati, O.
4 A. Griggs	*Superintend't.*	Birmingham, Ala.
5 L. F. Hennington	*Train Master.*	Meridian, Miss.
6 J. M. Kelley	*Mast. Car B'r.*	Chattan'ga, Tenn.
7 W. C. Jewett	*Res. Engineer.*	" "
8 J. G. Tomlinson	*Div. M. Mech.*	" "
9 P. Nolan	*Road Master*	Birmingham, Ala.

Locomotive and Car Repair Shops at Chattanooga, Tenn.

(*b*) *Cincinnati, New Orleans & Texas Pacific Ry. Co.*—(Lessees of Cincinnati Southern Railway.) Cincinnati to Chattanooga, 336 miles.

1 Charles Schiff	*President*	Cincinnati, O.
2 H. H. Tatem[3 4 9 10]	*Sec. & Treas.*	" "
3 W. W. Wells	*Superintend't.*	Somerset, Ky.
4 W. C. Jewett	*Res. Engineer.*	Chattan'ga, Tenn.
5 J. P. McQueen	*Div. M.M.S.D.*	" "
6 A. Thompson	*Div. M. Mech.*	" "
7 J. C. McCarty	*Gen. F. N. Div.*	Ludlow, Ky.
8 John Richardson	*Mast. Car B'r.*	" "
9 John Clancy	*Contg. Agent.*	Cincinnati, O.
10 R. D. Mullane	*Road Master*	Somerset, Ky.
11 M. Shea	*Road Master*	" "

640 Queen and Crescent Route—*Cincinnati, New Orleans & Texas Pacific Ry.—Continued.*

12 M. Rogan	*Ass't R. M.*	Cincinnati, O.
13 Z. Jones	*Mast. Transp.*	Somerset, Ky.

Locomotive and Car Repair Shops at Ludlow and Somerset, Ky., and Chattanooga, Tenn.

(*c*) *New Orleans & North-Eastern RR.*—Meridian to New Orleans, 196 miles.

1 Charles Schiff	*President*	Cincinnati, O.
2 Ferd. Hahn[3 4 9 10]	*Treasurer*	" "
3 John Glynn, Jr.	*Sec. & G. Agt.*	New Orleans, La.
4 Edmund L. Tyler	*Superintend't.*	" "
5 A. Clarke	*Train Master.*	Meridian, Miss.
6 J. C. Haugh	*Res. Engineer.*	" "
7 I. W. Fowle	*Master Mech.*	" "
8 M. Rowan	*Road Master.*	" "
9 A. F. Barnett	*Cont. Agent.*	New Orleans, La.

Transfer office, Farmers' Loan & Trust Co., New York, N. Y. Locomotive and Car Repair Shops at Meridian, Miss.

(*d*) *Vicksburg and Meridian RR.*—Vicksburg to Meridian, 140 miles, with branch, 2 miles.

1 Frank S. Bond	*Receiver*	New York, N. Y.
2 Charles Schiff	*President*	Cincinnati, O.
3 D. Graff	*Sec. & Treas.*	New York, N. Y.
4 Ferd. Hahn[9 10]	*Ass't Treas.*	Cincinnati, O.
5 H. F. Clark	*Superintend't.*	Vicksburg, Miss.
6 F. Y. Anderson	*Land Comm'r*	Birmingham, Ala.
7 W. W. Bond	*Train Master.*	Vicksburg, Miss.
8 A. Abercrombie	*Supt. Br. & Bu.*	" "
9 H. Curry	*Road Master.*	" "
10 J. C. Haugh	*Res. Engineer.*	Meridian, Miss.
11 J. W. Fowle	*Div. Mast. Mec.*	" "

Transfer office, Farmers' Loan & Trust Co., New York, N. Y. Locomotive and Car Repair Shops at Meridian, Miss.

(*e*) *Vicksburg, Shreveport and Pacific RR.*—Delta to Shreveport, 169 miles, with branch, 20 miles.

1 Charles Schiff	*President*	Cincinnati, O.
2 D. Graff	*Sec. & Treas.*	New York, N. Y.
3 Ferd. Hahn	*Ass't Treas.*	Cincinnati, O.
4 H. F. Clark	*Superintend't.*	Vicksburg, Miss.
5 F. Y. Anderson	*Land Comm'r*	Birmingham, Ala.
6 L. A. Stubbs	*Res. Engineer.*	Monroe, La.
7 W. E. Crume	*Res. Engineer.*	" "
8 W. B. Smith	*M. Mc'h. & C. B.*	" "
9 W. W. Bond	*Train Master.*	Vicksburg, Miss.
10 M. Rogan	*Road Master.*	Monroe, La.

Locomotive and Car Repair Shops at Monroe, La.

641 Quincy, Missouri and Pacific RR.—West Quincy to Trenton, 134 miles.

1 John Paton	*Purch. Com.*	New York, N. Y.
2 Edwin Parsons		
3 Amos Green	*G. A. for P. Com.*	Quincy, Ill.
4 John M. Savin	*Auditor*	" "
5 F. D. Schermerhorn	*S., G. F. & T. Ag*	" "

General office, Quincy, Ill.

642 Raleigh and Augusta Air-Line and Raleigh and Gaston RR.

See Seaboard Air Line.

643 Reading and Columbia RR.—Sinking Springs to Columbia, 40 miles; with branches, 38 miles.

1 G. A. Nicolls	*President*	Reading, Pa.
2 John Welsh[9 10]	*Treasurer*	Philadelphia, Pa.
3 Howard Hancock	*Secretary*	" "
4 A. M. Wilson	*Superintend't.*	Columbia, Pa.
5 C. G. Hancock[2]	*Gen. Ticket A.*	Philadelphia, Pa.

644 Richmond and Alleghany RR.—Richmond to Clifton Forge, 230 miles; branches, 24 miles. Total 254 miles.

1 Lawrence Myers	*Receiver*	New York, N. Y.
2 Decatur Axtell	*Rec. & Man.*	Richmond, Va.
3 Jas. T. Closson	*President.*	New York, N. Y.

☞ *See note of explanation on first page.*

THE PRATT & WHITNEY COMPANY,

HARTFORD, CONN., U. S. A.

Manufacturers of Lathes, Planers,
Shapers, Drilling Machines,
Screw Machines, Milling Machines,
Turret-Head Chucking, Bolt Cutting,
Nut Tapping and Cutting-off Machines,
Drop Hammers and Power Shears.
U. S. Standard Thread Gauges, Taps and Dies.
Master Car Builders' Standard Bar Iron Limit Gauges.
Drop Forged Steel Caliper Gauges.
Standard Hand, Shell and Chucking Reamers.
Hardened and Ground Mandrels.
Combination Lathe Chucks, Renshaw Ratchet Drills, Corundum Wheels,
Etc., Etc.

☞ *PRICE-LISTS AND DESCRIPTION FURNISHED ON APPLICATION.*

THE

SOLID STEEL COMPANY,

Alliance, Ohio.

Steel Castings.

Locomotive Castings, such as Driving Boxes, Cross-Heads, Rocker Shafts, Pistons, Followers, etc. Brake Shoes, Car Couplers, Draw-Bars, etc.

644 Richmond and Alleghany RR.—*Continued.*

4 John J. McCook..	*Vice-President.*	New York, N. Y.
5 Eugene R. Leland.	*Secretary*	" "
6 Robt. B. Snead[3 4 9]	*Treasurer*	Richmond, Va.
7 J. R. Macmurdo..	*Gen. F. & P. A.*	" "
8 H. D. Whitcomb..	*Chief Engineer.*	" "
9 T. C. Eggleston...	*Res. Engineer.*	" "
10 Louis P. Ecker[2 7 8]	*Auditor*	" "
11 W. A. Crawley ...	*Supply Agent..*	" "
12 A. D. Bethard.....	*Su. Tr. & Tel.*	" "
13 Wm. Haseman....	*M. M. & M. C. B.*	" "
14 W. H. Wise.....	*For. P'nt. Shps.*	" "
15 A. J. Gillespie....	*Road Master* .	" "
16 N. P. Baker.....	*Road Master..*	Buchanan, Va.
17 J. A. Briggs.....	*Tie Inspector..*	Richmond, Va.

General offices, Richmond, Va., and 2 Wall St., New York, N. Y.

645 Richmond and Danville RR.—Richmond to Danville, 141 miles; branches, 86 miles; leased lines, 828 miles.

1 Alfred Sully	*President*	New York, N. Y.
2 T. M. Logan.....	*1st Vice-Pres.* .	" "
3 Jas H. Dooley....	*2d Vice-Pres...*	Richmond, Va.
4 A. B. Andrews....	*3d Vice-Pres* .	Raleigh, N. C.
5 R. Brooke	*Secretary.*	Richmond, Va.
6 W. E. Turner[3 4 9 10]	*Treasurer*	Washington, D. C.
7 E. B. Thomas.....	*Gen. Manager..*	" "
8 Peyton Randolph.	*Ass't Gen. Man.*	" "
9 Sol. Haas	*Traffic Man.* .	Richmond, Va.
10 J. H. Drake.....	*Gen. Ft. Agt..*	Washington, D.C.
11 James L. Taylor..	*Gen. Pass. Agt.*	" "
12 J. S. Potts	*A. G. F. & P. A.*	Richmond, Va.
13 J. T. Worthington	*Gen. Counsel...*	Washington, D.C.
14 E. A. Barber.....	*Comptroller....*	" "
15 A. J. Rauh.....	*Ass't. Cost ....*	" "
16 E. B. Cooke.. . ..	*Aud. of Ft. Rec.*	" "
17 John Craig	*Au. of Pas. Rec.*	" "
18 H. D. Williams...	*Aud. of Disb.* .	" "
19 C. M. Bolton.....	*Chief Engineer*	Richmond, Va.
20 J. P. Minetr-e....	*Gen. Pur. Agt.*	" "
21 James H. Hill.....	*Gen. Bag. Agt.*	" "
22 R. D. Wade..... .	*Supt. Mo. Pow.*	" "
23 C. A. Darlton.....	*Supt. Teleg.....*	" "
24 W. A. Moody[11]...	*Car Account't..*	Charlotte, N. C.
25 W. H. Turrentine.	*Div. Mus. Mech.*	Comp'y Shps, N.C
26 T. W. Gentry.....	*Dv. Mus. M-ch.*	Atlanta, Ga.
27 I. B. Vaughan ...	*Mast. Car B'r..*	Richmond, Va.
28 J. C. Holt...	*Mast. Car B'r..*	Comp'y Shps, N.C
29 Z. H. Smith	*Mast. Car B'r.*	Atlanta, Ga.
30 W. T. Ledford ..	*Mast. C. Paint.*	Richmond, Va.
31 J. C. Redford.....	*Mast. C. Paint.*	Comp'y Shps N.C
32 M. L. Sims.....	*Mast. C. Paint.*	Atlanta, Ga.

DIVISION OFFICERS.

33 J. S. B. Thompson	*A. G. F. & P. A., V. M. & W. & O. D.*	Alexandria, Va.
34 W. A. Turk.....	*A. G. F. & P. A., Wn. No. Car Dv.*	Asheville, N.C.
35 D. Cardwell	*A. G. F. & P. A., S. C. & C. & G. D.*	Columbia, S.C.
36 L. L. McCleskey	*Dv. G. F. & P. A. Atl. & Char Dv.*	Atlanta, Ga.
37 Robert Andrews	*Su. V. M. & W. & O. Divs...*	Alexandria, Va.
38 W. H. Green.. ...	*Su. R. & D. Dv.*	Richmond, Va.
39 V. E. McBee	*Su. W. N. C. Dv.*	Asheville, N. C.
40 E. Berkeley.....	*S. A. & C. & L. D.*	Atlanta, Ga.
41 G. R. Talcott.....	*S. C. & C. & G. D.*	Columbia, S. C.

PASSENGER AND FREIGHT AGENTS.

42 H. P. Clark.....	*Gen. E. Pas. Agt*	New York, N. Y.
43 G. M. Huntington.	*En. Pass. Agt.*	" "
44 F. M. Ironmonger.	*Cont. Fgt. Agt.*	" "
45 W. A. Pearce.....	*New Eng. Agt.*	Boston, Mass.
46 F. B. Price.....	*Cont. Fgt. Agt.*	Philadelphia, Pa.
47 G. R. Needham...	*Cont. Fgt. Agt.*	Baltimore, Md.
48 L. S. Brown	*Dist. Pass. Agt.*	Washington, D.C.
49 Henry Hiden	*Solic. Fgt. Agt.*	Lynchburg, Va.
50 S. T. Garland.....	*Solic. Fgt. Agt.*	Cincinnati, O.
51 C. W. Harwood...	*Soliciting Agt..*	Richmond, Va.
52 Geo. W. Taylor...	*Soliciting Agt..*	Jacksonville, Fla.

645 Richmond and Danville RR.—PASSENGER AND FREIGHT AGENTS.—*Continued.*

53 W. W. Davies...	*Agent.....*	Jacksonville, Fla.
54 C. E. Sergeant...	*Pa. & Tkt. Agt.*	Atlanta, Ga.
55 N. C. Beale	*Pass. Agent...*	Montgomery, Ala.
56 M. R. Powers....	*Pass. Agent...*	New Orleans, La.
57 Jas. M. Means....	*Pass. Agent...*	Houston, Tex.

58 *Road Masters.*—W. B. Lamb, West Point, Va.; H. L. Fry, Amelia C. H., Va.; J. A. Dobson, Greensboro, N. C.; W. P. Raiford, Princeton, N. C.; C. P. Hammond, Atlanta, Ga.

(*a*) LINES CONTROLLED IN GEORGIA.

Elberton Air Line RR., Elberton to Toccoa, 50 miles; *Hartwell RR.*, Hartwell to Bowersville, 10 miles; *Lawrenceville Branch RR.*, Lawrenceville to Suwanee, 10 miles; *Roswell RR.*, Roswell to Roswell Junction, 9 miles.

1 E. Berkeley.....	*Superintend't..*	Atlanta, Ga.
2 James Wilson.....	*Mast. Mechanic*	Toccoa, Ga.

The Richmond and Danville Railroad Company also controls through the

646 Richmond and West Point Terminal Ry. & Warehouse Co. the lines of railroads named below:

(*a*) *General Officers Richmond and West Point Terminal Ry. & Warehouse Co.*

1 Alfred Sully.....	*President.....*	New York, N. Y.
2 T. M. Logan	*Vice-President.*	" "
3 A. J. Rauh..	*G. A. & Treas.*	" "
4 Richard Brooke....	*Secretary*	" "
5 Union Trust Co...	*Transfer Agt..*	" "
6 Central Trust Co...	*Rgr. of Transf.*	" "
7 W. A. Moody[11].....	*Car Rec. Agt..*	Charlotte, N. C.

EXECUTIVE AND OPERATING OFFICERS *of Lines Controlled by R. & W. P. T. Ry. & W. Co.*

(*b*) *Asheville and Spartanburg RR.*—Spartanburg to Hendersonville, 50 miles.

1 R. Y. McAden.....	*President.....*	Charlotte, N. C.
2 W. H. Inman.....	*Vice-President.*	New York, N. Y.
3 A. L. White.....	*Sc., Tr. Au. G. Pass. A.*	Spartanburg, S.C.
4 James Anderson[6]..	*Superintendent*	" "
5 S. H. Cooke...	*For. Car Reps.*	Tryon, N. C.

General office, Spartanburg, S. C.

(*c*) *South Carolina Division.*—Charlotte to Augusta, 191 miles; leased lines, 172 miles.

1 A. C. Haskell.....	*President.....*	Columbia, S. C.
2 John Craig..... ...	*Secretary*	" "
3 J. C. B. Smith[3 4 9 10]	*Treasurer.* ...	" "

4 *Road Masters.*—C. Warren, Chester, S. C.; S. T. Blanton, Batesburg, S. C.; S. E. Wooten, Yorkville, S. C.; C. Ellis, Jr., Columbia, S. C.

(*d*) *Columbia and Greenville Division.*—Columbia to Greenville, 143 miles; branches, 21 miles; leased lines, 130 miles.

1 A. C. Haskell.....	*President.....*	Columbia, S. C.
2 John Craig[7 8]	*Secretary.....*	" "
3 J. C. Smith.....	*Treasurer.....*	" "
4 J. C. Haskell..... .	*Gen. Counsel...*	" "
5 R. S. Ellis	*Road Master* ...	Newberry, N. C.

(*e*) *Georgia Pacific Ry.*—1st Division, 186 miles; 2d Division, 79 miles; 3d Division, 52 miles—total length 317 miles.

1 John W. Johnston	*President*	Birmingham, Ala.
2 Joseph Bryan	*1st Vice-Pres...*	Richmond, Va.
3 J. A. Rutherford..	*2d Vice-Pres...*	New York, N. Y.
4 L. D. Aylett.....	*Treasurer.. ...*	Birmingham, Ala.
5 A. J. Rauh.....	*Asst. Treas....*	New York, N. Y.
6 A. B. Johnston ...	*Secretary.....*	Birmingham, Ala.
7 H. C. Ansley.....	*Auditor.. .....*	" "
8 James Weatherly.	*As. G. Counsel.*	" "
9 I. Y. Sage[7 8 11]...	*G. M. & Eng..*	" "
10 George S. Barnum	*Gen. F. & P. A.*	" "
11 J. H. Garner.....	*Supt. 1st Div...*	" "
12 W. J. Parish.....	*Supt. 2d Div...*	" "
13 S. H. Purcell.....	*Supt. 3d Div...*	Greenville, Miss.
14 R. C. Anderson...	*Tr. Mas., 1st Dv.*	Birmingham, Ala.

☞ *See note of explanation on first page.*

THE

Chattanooga Clay Works,

CHATTANOOGA, TENN.

MONTAGUE & CO.,

Manufacturers of

Fire Brick

STANDARD SALT-GLAZED

SEWER PIPE.

EXTRA THICK

Railroad Culvert Pipe

AND

DRAIN TILE.

Ground Brick or Clay in Barrel or Bulk.

ESTABLISHED 1878.

M. C. MENGIS,

12 BROADWAY, NEW YORK,

RAILWAY CONTRACTOR,

— DEALER IN —

STEEL AND IRON RAILS, FASTENINGS, WHEELS, ETC.

Freight and Passenger Cars Sold for Cash or on Deferred Payments.

MONEY ADVANCED

On New and Partially Completed Railroads and the Securities Negotiated.

ABANDONED RAILROADS AND OLD RAILROAD BEDS BOUGHT.

646 Richmond and West Point Terminal Ry. & Warehouse Co.—*Georgia Pacific Ry.—Continued.*

15 W. J. Parrish.....	*Tr. Mas. 2d Dv.*	Columbus, Miss.
16 W. T. Newman...	*Mast. Mechanic*	Birmingham, Ala.
17 A. C. Jarnegan....	*For. Car Rep.*	Atlanta, Ga.

General office, Birmingham, Ala. Transfer office, New York, N. Y.

(*f*) *Knoxville and Augusta RR.*—Knoxville to Maryville, 17 miles.

1 R. N. Hood[1 2 3 4 5]..	*Pres. & G.Man.*	Knoxville, Tenn.
2 Skipwith Wilmer..	*Secretary*.....	Baltimore, Md.
3 Charles Burger...	*Tr. & G. P. A.*	Maryville, Tenn.
4 J. M. Hood	*Superintend't*..	" "
5 John Hood.....	*Auditor*.....	Knoxville, Tenn.
6 A. J. Weaver.....	*Road Master* ..	Flenniken, Tenn.
7 M. Nicholson.....	*Chief Engineer*	Knoxville, Tenn.

General office, Knoxville, Tenn.

(*g*) *North-Eastern RR. of Georgia.*—Athens to Lula, 39 miles; Rabun Gap Junction to Tallulah, 21 miles.

1 E. Berkeley.....	*Gen. Supt*.....	Atlanta, Ga.
2 L. L. McCleskey...	*Purch. Agent*..	" "
3 H. R. Bernard.....	*Agent*.....	Athens, Ga.

(*h*) *Virginia Midland Division.*—Alexandria to Danville, 283 miles; branches and leased lines, 128 miles.

1 Robert Andrews....	*Su. & Engineer*	Alexandria, Va.
2 F. I. Cabell	*Asst. Engineer.*	Lynchburg, Va.
3 C. T. Dabney	*Master Transp.*	Alexandria, Va.
4 J. E. Waddy... ..	*Master Mech*...	" "
5 P. R. Evans.....	*Road Master*...	" "

(*i*) *Western North Carolina Division.*—Salisbury to Paint Rock, 190 miles; Ducktown Branch, 84 miles.

1 V. E. McBee... ...	*Superintendent*	Asheville, N. C.
2 G. W. Payne.....	*Road Master* .	Salisbury. N. C.
3 James Wilson.....	*Chief Engineer*	Morganton, N. C.
4 G. W. Gates.....	*Master Mech*...	Salisbury, N. C.

General office (R. & D. RR.), Richmond, Va. New York office, United Bank Building, 2 Wall St. Financial Agency, Central Trust Company, 15 Nassau St., New York, N. Y.

General office (R. & W. P. T.), West Point, Va. New York office, 2 Wall St.

647 Richmond, Fredericksburg and Potomac RR.—Richmond to Quantico, 80 miles; Potomac RR., 2 miles.

1 J. P. Brinton.....	*President*.....	Richmond, Va.
2 J. B. Winston[3 4 9 10]	*Sec. & Treas*...	" "
3 E. T. D. Myers....	*Gen. Supt*.....	" "
4 T. L. Courtney....	*A. S. & P. Agt.*	" "
5 C. A. Taylor[8].....	*G. Ft. & P. Agt.*	" "
6 H. Kuhn.....	*Master Mech*...	" "
7 Luther P. Ellis[2]...	*Auditor*	" "
8 W. H. Trainham..	*Mas. Car Bldr.*	" "
9 W. G. Whitehurst	*M. Car Painter*	" "
10 S. B. Rice.....	*M. Road Carp.*	Ashland, Va.
11 W. T. Tyrer[7 8 11].	*Car Account't*..	Richmond, Va.

648 Richmond and Petersburg RR.

See Atlantic Coast Line.

649 Rio Grande RR.—Brownsville to Point Ysabel, 23 miles.

1 F. San Roman.... } 2 Simon Celaya.... }	*Trustees*.....	Brownsville, Tex.
3 A. Werbiski.....	*President*.....	" "
4 William A. Valls...	*Sec. & Treas*...	" "
5 H. S. Sherwood ...	*Ft. & Tk. Agt*..	" "
6 G. W. Rendall.....	*Chf. Eng., etc*..	" "
7 Ulrich Hagguston..	*Road Master*...	Point Ysabel, Tex.
8 H. Markwood	*M. Car Repr*...	" "

General office, Brownsville, Tex.

650 Rio Grande and Eagle Pass Ry.—Laredo to Santa Thomas, 27 miles.

1 C. B. Wright, Jr...	*President*.....	Philadelphia, Pa.
2 W. G. Clark.....	*Treasurer*. ...	" "
3 E. A. Atlee.....	*Secretary*	Laredo, Tex.

650 Rio Grande and Eagle Pass Ry.—*Continued.*

4 George Biddle.....	*Gen. Counsel*...	Philadelphia, Pa.
5 A. L. McLane.....	*Counsel*.....	Laredo, Tex.
6 W. L. Giddens.....	*Superintendent*	" "

General office, Laredo, Tex.

651 Roane Iron Company's RR.—Rockwood to Tennessee River, 6 miles.

1 H. S. Chamberlain	*President*.....	Chatta'ooga, Tenn.
2 D. E. Rees	*Secretary*.. ...	" "

General office, Chattanooga, Tenn.

652 Rochester and Lake Ontario RR.—Rochester to Lake Beach, 6 miles.

1 N. H. Gainsha.....	*President*.....	Rochester, N. Y.
2 Geo. B. Smith....	*Vice-President.*	" "
3 N. B. Ellison[1 2 5]..	*Sec., T. & Mgr.*	" "
4 Isaac Wile.....	*Auditor*.....	" "
5 Geo. Gardiner.....	*Supt. Mo. Pow.*	" "
6 H. R. Day.....	*M. Car Painter*	" "
7 Chris. Kreger.....	*Road Master*...	" "

653 Rochester and Ontario Belt RR.—Six miles completed between Irondequoit Bay and Genesee River.

1 M. M. Britton.....	*Pres. & Receiver*	Rochester, N. Y.
2 John F. Dinkey....	*Aud. & Treas*..	" "
3 George M. Rollins.	*Secretary*.....	New York, N. Y.

654 Rochester and Pittsburgh RR.

See Buffalo, Rochester & Pittsburgh RR.

655 Rock Island and Peoria Ry.—Rock Island to Peoria, 91 miles.

1 Cornelius Lynde...	*President*.....	Rock Island, Ill.
2 R. R. Cable..... ...	*Vice-President*..	" "
3 H. B. Sudlow[2 4 8 9 10 11]	*Sec., T. & Supt.*	" "
4 R. Stockhouse[6]....	*Ft. & Pass. Agt.*	" "
5 H. C. Whitridge[2 7 8].	*Auditor*.....	" "
6 Joseph Elder.	*Master Mech*...	Peoria, Ill.
7 H. P. Greenough..	*Supt. Teleg*....	Rock Island, Ill.
8 J. E. Breckenridge.	*Road Master*...	Galva, Ill.

General office, Rock Island, Ill.

656 Rockport RR.—Rockport to Simonton Corner, 3 miles.

1 P. J. Carleton.....	*President*.....	Rockport, Me.
2 H. L. Shepherd....	*Treasurer*. ..	" "
3 L. H. Lovejoy	*Secretary*.....	" "
4 Alex. McGregor....	*Superintendent*	" "
5 Charles Evans.....	*Chief Engineer*	" "

657 Rockwood and Tennessee River Ry.—Rockwood to Tennessee River, 6 miles.

1 M. M. Duncan.....	*Superintendent*	Rockwood, Tenn.
2 H. K. Evans.....	*Treasurer*.....	" "

658 Rome Railroad, Ga.—Kingston to Rome, 20 miles.

1 Eben Hillyer[2 4 5 9 10]	*P. S. & Treas*..	Rome, Ga.
2 H. A. Pattillo.....	*Gen. Bp'r & Sec.*	" "
3 James A. Smith[2]...	*G. Ft. & P. Agt.*	" "
4 O. W. Harbin.....	*Rd. M. & M. M.*	" "
5 E. C. Spaulding[7 8 11]	*Car Account't*..	" "

659 Rome and Carrollton RR.—Rome to Cedartown, 22 miles.

1 J. D. Williamson..	*President*.....	Rome, Ga.
2 John H. Reynolds..	*Treasurer*.	" "
3 R. T. Fouche.....	*Secretary*	" "
4 J. H. Rhodes.....	*Auditor*.	" "
5 F. H. Harris.....	*Chief Engineer*	" "
6 J. H. Garner.....	*Supt. & GP & PA*	" "

660 Rome, Watertown and Ogdensburg RR.—Niagara Falls to Massena Springs, 301 miles; Rome Branch, 41 miles; Utica to Ogdensburg, 134 miles; other branches, 179 miles.

1 Charles Parsons....	*President*.....	New York, N.Y.
2 Clarence S. Day....	*1st Vice-Pres*...	" "
3 Charles Parsons, Jr.	*Vice-Pres*.....	" "
4 J. A. Lawyer[2 8 9]...	*Sec. & Treas*...	" "
5 R. E. Smiley.....	*Asst. Secretary*	Watertown. N.Y.
6 H. M. Britton.. ...	*G. M. & Pur. A.*	Oswego, N. Y.

☞ *See note of explanation on first page.*

The E. D. Albro Company,

MAHOGANY.

MANUFACTURERS OF

VENEERS,

Car-Builders' Material,

FROM DOMESTIC AND FOREIGN WOODS.

685-711 West 6th St.,

CINCINNATI, O.

Estimates and Price-Lists Furnished.

660 Rome, Watertown and Ogdensburg RR.—*Continued.*

7 H. D. Carter.....	*Actg. G. T. Mgr.*	Utica, N. Y.
8 E. M. Moore.....	*Gen. Fgt. Agt.*	New York, N. Y.
9 T Butterfield.....	*Gen. Pass. Agt.*	" "
10 C. L. Martin[2 7 8]..	*Auditor*.....	" "
11 J. D. Remington..	*Asst. Su. M. D.*	Watertown, N.Y.
12 W. S. Jones.....	*Asst. Su. E. D.*	Ogdensburg, N.Y.
13 H. W. Hammond..	*Asst. Su. E. D.*	Carthage, N. Y.
14 W. H. Chauncey..	*Asst. Su. W. D.*	Oswego, N. Y.
15 G. H. Haselton	*S. Mo. Power*..	" "
16 W. W. Currier[11]...	*Supt. Transp*..	" "
17 E. B. Wynn.....	*Gen. Counsel*..	Watertown, N.Y.
18 H. T. Frary.....	*Paymr. & T.A.*	Oswego, N. Y.
19 T. M. Petty.....	*G. Bag. Agt*...	" "
20 F. R. Becker.....	*Chief Engineer*	" "
21 E. Van Vleck.....	*Fmn. Loc. Rep.*	" "
22 W. E. Rockfellow.	*Fmn. Car. Rep.*	" "
23 J. M. Brady.....	*Fmn. Car Ptrs*	" "
24 D. A. Hough.....	*Mast. Carpenter*	" "
25 S. Littlefield.....	*Road Mast. WD.*	" "
26 Geo. N. Keith.....	*Rd. Mst. M & E D.*	" "

27 *Assistant Road Masters.*—E. Dennison, DeKalb Junction, N. Y.; John Shea, Watertown, N. Y.; G. D. Egert, Utica, N. Y.; Thomas Shea, Suspension Bridge, N. Y.

General office, 5 Pine St., New York, N. Y. Transfer Agency, Central Trust Co., New York, N. Y.

661 Ruby Hill RR.—Eureka to Ruby Hill, 7 miles.

1 B. Gilman.....	*President*.....	Eureka, Nev.
2 E. F. Oatman... ..	*Secretary*.....	" "
3 Frank Miller.....	*Treasurer*.....	" "

General office, Eureka, Nev.

662 Rumford Falls and Buckfield RR.—Mechanics' Falls to Gilbertville, 26.77 miles.

1 William L. Putnam	*President*.....	Portland, Me.
2 Otis Hayford ..	*Vice-President*.	Canton, Me.
3 R. C. Bradford[2 3 4 7 8 9]	*T., C. & G. T. Ag*	Portland, Me.
4 L. L. Lincoln[5]	*S. G. F. A. & R M*	Canton, Me.
5 C. E Joy	*Supt. Bridges*..	Oakland. Me.
6 M. R. Davis.....	*Fmn. Loc. Rep.*	Canton, Me.

General office, Portland, Me.

663 Saginaw, Tuscola and Huron RR.—East Saginaw to Bad Axe, 67 miles.

1 W. L. Webber.	*President*.....	E. Saginaw, Mich.
2 George W. Morley.	*Vice-President*.	" "
3 Eras T. Judd[2 9 10] ..	*Sec. and Treas.*	" "
4 M. B. Wilkinson[1 5 6 7 8]	*Superintendent*	" "
5 C. M. Rice[3 4].	*Auditor*... . ..	" "

General office, East Saginaw, Mich.

664 Saginaw Valley and St. Louis RR.

See Detroit, Lansing and Northern RR.

665 St. Clairsville and Northern Ry.—St. Clairsville to Barton, O.

1 A. C. Darrah.... ..	*President*.....	St. Clairsville, O.
2 W. A. Hunt[5].....	*Vice President*.	" "
3 John Boruff.... ...	*Treasurer*. ...	" "
4 A. Thompson.....	*S., G. P. & F. A*	" "
5 I. Shallcross..... .	*Master Mech*...	" "
6 Matthew Murray...	*Road Master*..	" "

666 St. Croix and Penobscot RR.—Calais to Princeton, 22 miles.

1 G. M. Porter.... .	*President*.....	St. Stephen, N.B.
2 Samuel Black[3 4]..	*Sec. & Treas*...	Calais, Me.
3 S. W. Haycock[1 2 5]	*Superintendent*	" "
4 H. A. Black.....	*Gen. Tkt. Agt*..	" "
5 John Larner[6].....	*Gen. Fgt. Agt*..	" "
6 D. S. Maxwell ..	*Chief Engineer*	" "
7 G. H. Corson.....	*Master Mech*...	Milltown, Me.
8 L G. Downs.....	*Auditor*.....	Calais, Me.
9 W. B. Foster..	*Mast. of Transp*	" "
10 H. C. Tinker... .	*Mast. Car Bldr.*	Milltown, Me.
11 George Moore...	*Road Master*..	Calais, Me.
12 Wm. Lucas, Jr....	*Road Master*..	Milltown, Me.
13 S. Phinney.....	*Road Master*..	Baring, Me.

666 St. Croix and Penobscot RR.—*Continued.*

14 G. A. Hanson.....	*Fmn. Car Rep.*	Milltown, Me.
15 Martin Ryan.... .	*Fuel Agent*....	Baring, Me.
16 W. Leeman.....	*Mas. Car Paint.*	Calais, Me.

General office, Calais, Me.

667 St. Helen, Houghton Lake and Western RR.—Curtisville to Pine Ridge, 13 miles.

1 A. L. Stephens.....	*Vice-President*.	Detroit, Mich.
2 H. Stephens, Jr....	*Sec. & Treas*...	" "
3 Z. C. Jessop.....	*Gen. Manager*..	" "
4 George W. Moore..	*Gen. Solicitor*..	" "
5 E. F. Jenks	*Gen. Fgt. Agt.*	St. Helen, Mich.
6 Isaac Hopkins.....	*Master Mech*...	" "

General office, Detroit, Mich.

668 St. Joseph Ry.—Bonne Terre to Summit, 13 miles.

1 T. T. Onderdonk..	*Supt. & M. M*..	Bonne Terre, Mo.
2 F. P. Graves.....	*Treasurer*.....	" "
3 J. B. Wilde[1 2 4].....	*Au. in Ch Tr De.*	" "

General office, Bonne Terre, Mo.

669 St. John's Railway.—Tocoi to St. Augustine, 15 miles.

1 R. McLaughlin... .	*Pres. & Supt*..	Jacksonville, Fla.
2 John Stockton[2 4]..	*Treasurer*.....	" "
3 John Westcott.....	*Secretary*.....	St. Augustine, Fla
4 F. M. Clark[3].....	*Ft. & Tkt. Agt.*	Tocoi, Fla.
5 W. J. Jarvis.....	*Road Master*..	St. Augustine, Fla
6 J. M. Owens.....	*Mast. Mech*....	" "
7 J. W. Smith.....	*Auditor*	Jacksonville, Fla.

General office, Jacksonville, Fla.

(*a*) *St. Augustine and Palatka RR.*—Palatka Junction to East Palatka, 23 miles.

1 Rich. McLaughlin..	*President*.....	Palatka, Fla.
2 W. J. Jarvis.... ...	*Superintendent*	" "
3 A. F. Sherwood....	*Gen. F. & P. A.*	" "

670 St. Johns and Halifax RR.—Bolleston to Daytona, 60 miles.

1 U. J. White	*Pres. & G. Man.*	Bolleston, Fla.
2 S. V. White.....	*Vice-President.*	New York, N.Y.
3 Wm. H. Chandler..	*Sec. & Treas*...	Bolleston, Fla.
4 E. S. Spencer.....	*Gen. F. & P. A.*	" "

General office, Bolleston, Fla.

671 St. Joseph and Des Moines RR.

See Chicago, Burlington & Quincy RR.

672 St. Joseph and Grand Island RR.—St. Joseph to Grand Island, 252 miles.

1 Chas. F. Adams...	*Chairman*.....	Boston, Mass.
2 James H. Benedict	*President*.....	New York, N. Y.
3 Sidney Dillon. ...	*Vice-President*.	" "
4 O. W. Mink.....	*Comptroller*....	Boston, Mass.
5 Alex. Millar.....	*Secretary*.....	" "
6 Henry McFarland.	*Treasurer*.....	" "
7 D. McCool.... ...	*Gen. Manager*.	St. Joseph, Mo.
8 F. Milligan.....	*G. Ft. & P. Agt*	" "
9 C. F. Smith[2 3 4 9 10]	*Auditor*..	" "
10 Wm. Lush.....	*Chief Engineer*	New York, N. Y.
11 C. A. Fleming.....	*Master Transp.*	St. Joseph, Mo.
12 W. J. Tench.	*Purch. Agent*..	" "
13 W. D. Lincoln[7 8 11]	*Car Accounta't*	" "
14 A. A. Grower[6] ...	*Gen. Tkt. Agt.*	" "
15 Central Trust Co..	*Transfer Agts.*	New York, N. Y.

General office, St. Joseph, Mo. Transfer office, New York, N. Y.

673 St. Joseph and St. Louis RR.—North Lexington to St. Joseph, 76 miles.

1 Winslow Judson...	*President*	St. Joseph, Mo.
2 W. D. B. Motter...	*Vice-President*.	" "
3 J. H. Fairbanks....	*Secretary*	" "
4 S. A. Walker	*Treasurer*.....	" "
5 W. P. Harris.....	*Gen. Supt*.....	" "
6 H. A. Russell.....	*Gen. Ft. & Tk A*	" "
7 E. R. Francisco	*Auditor*	" "
8 D. A. Garwood	*Car Accounta't*	" "

General office, St. Joseph, Mo.

☞ *See note of explanation on first page.*

WOOD CREOSOTE OIL.

The Best Wood Preservative Known.

OFFICE CAROLINA OIL AND CREOSOTE CO.,
WILMINGTON, N. C., Oct. 10, 1886.

The Carolina Oil and Creosote Company, located at Wilmington, N.C., is the sole proprietor of the patent for manufacturing **Wood Creosote Oil** and injecting said oil into wood, which is guaranteed by the company to preserve the wood against the ravages of the teredo worm, and other insects in salt water as well as against **dry and wet rot.** Wood properly prepared with Wood Creosote Oil is recommended by the Company for Street Paving, Railroad Ties, Bridge Timbers, Trestles, Telegraph Poles, Fence Posts, Piling for Piers and Wharves. Being located in the largest pine section in the world, and manufacturing our own Creosote Oil, the Company can fill the largest orders with satisfaction as to price, quality, and dispatch in delivery. **We especially recommend this treatment for timber used in the construction of Cable Railways,** as it will preserve the timbers from rot far beyond the expectation of its friends.

WE REFER BY PERMISSION TO

Gen. Q. A. Gilmore, U. S. Engineer Corps, New York City. Capt. W. H. Bixby, U. S. Engineer Corps, Wilmington, N. C. Dr. John B. Hamilton, Surgeon-General Marine Hospital Service, Washington, D. C. Col. W. L. Trenholm, a member of the Civil Service Commission of the United States, Washington, D. C. Capt. John F. Devine, Ceneral Supt. Atlantic Coast Line, Wilmington, N. C. Senator M. C. Butler, Washington, D. C. Congressman James D. Bady, Washington, D. C. Hon. G. B. Kerper, Pres. Mt. Adams & Eden Park Ry., Cincinnati, O., and Col. Harry M. Lane, Mechanical Engineer, Cincinnati, O.

For further particulars, address,

LUDWIG HANSON,

General Superintendent, Wilmington, N. C.

674 St. Joseph Valley RR.—Buchanan to Berrien Springs, 10 miles.

1 W. R. Rough	*President*	Buchanan, Mich.
2 Fred. McOmber	*Sec. & G. P. A.*	BerrienSprings M
3 Burns Helmick	*Gen. Manager*	Buchanan, Mich.
4 W. W. Graves	*Chief Engineer*	BerrienSprings M
5 Solomon Rough	*Mast. Transp.*	Buchanan, Mich.

General office, Buchanan, Mich.

675 St. Louis, Alton and Terre Haute RR.—East St. Louis to Terre Haute. 189 miles, with branches and leased lines, 187 miles. Total, 376 miles.

1 W. Bayard Cutting	*President*	New York, N. Y.
2 George W. Parker	*V.-P. T. & G. M.*	St. Louis, Mo.
3 E. F. Leonard	*Secretary*	" "
4 H. A. Crosby	*Asst. Sec.*	New York, N. Y.
5 W. S. Wilson	*Superintendent*	Belleville, Ill.
6 B. F. Blue[6]	*Gen. Fgt. & P. A*	St. Louis, Mo.
7 J. Johnson	*Trav. F. & P. A.*	" "
8 Henry T. Nash[3789 10]	*Auditor*	" "
9 W. R. King[11]	*Car Account't.*	" "
10 Bank of North Am.	*Reg. of Transf*	New York, N. Y.
11 P. H. Murphy	*Master Mech.*	E. St. Louis, Ill.
12 Henry Mason	*Road Master*	Pinckneyville, Ill.

Marion Division (Late St. Louis Southern RR.).—Pinckneyville to Marion, 48 miles.

1 W. S. Wilson	*Superintendent*	Marion, Ill.
2 B. F. Blue	*Gen. F. & P. A.*	" "
3 H. T. Nash	*Aud. & Paymas*	" "
4 P. H. Murphy	*Master Mech.*	" "
5 Henry Mason	*Road Master*	" "

General office, St. Louis, Mo.

676 St. Louis, Arkansas and Texas Railway.—Bird's Point to Gatesville, 723 miles; branches, 13 miles.

1 S. W. Fordyce	*Pres. & Gen. M.*	St. Louis, Mo.
2 Jas. H. Benedict	*1st Vice-Pres.*	New York, N. Y.
3 R. C. Kerens	*2d Vice-Pres.*	St. Louis, Mo.
4 Jas. S. Wells	*Secretary*	New York, N. Y.
5 A. C. Stewart	*Asst. Secretary*	St. Louis, Mo.
6 C. D. Drake[4 9 10]	*Treasurer*	" "
7 W. P. Homan	*Ass't Gen. M.*	Texarkana, Tex.
8 H. G. Allis[2]	*Comptroller*	St. Louis, Mo.
9 S. C. Johnson	*Asst. Cont.*	" "
10 A. S. Dodge[1]	*Gen. F. & P. A.*	" "
11 E. W. LaBeaume	*Asst. G. Pas. A.*	" "
12 John J. Rogers	*Asst. G. Fgt. A.*	" "
13 Phillips & Stewart	*Gen. Attorneys*	" "
14 J. B. Fisher	*Paymaster*	" "
15 F. W. Schaurte[6]	*Acct. Pur. Agt.*	" "
16 W. H. Selby	*Gen'l M. M.*	Tyler, Texas.
17 J. B. Van Dyne	*Supt. Transp.*	Texarkana, Tex.
18 L. F. Day	*Asst. G. Fgt. A*	" "
19 M. B. Mann	*Mast. of Transp*	Pine Bluff, Ark.
20 F. A. Lister	*Mast. of Transp*	Tyler, Tex.
21 J. T. Burlingame[7811]	*Car Account't.*	Texarkana, Tex.
22 C. A. Shourds[6]	*Gen. Bag. Agt.*	" "
23 E. S. Abadie	*Commercial A.*	St. Louis, Mo.
24 E. E. Paramore	*Eastern Agt.*	" "
25 O. H. Morrill	*Northern Agt.*	" "
26 J. W. Allen	*Gen. Agent*	Memphis, Tenn.
27 J. S. Leith	*Southern P. A.*	Atlanta, Ga.
28 L. F. Day	*Commercial A.*	Texarkana, Tex.
29 J. B. Wadleigh	*Commercial A.*	Waco, Tex.
30 H. F. McFarland	*Tr. F. & Pas. A.*	Pine Bluff, Ark.

General office, St. Louis, Mo.

677 St. Louis Cable and Western Ry. (*Steam road*).—St. Louis to Florissant, 16 miles. *Cable Division*—In St. Louis, 3 miles—total, 19 miles.

1 E. F. Claypool	*President*	Indianapolis, Ind.
2 F. M. Colburn	*Vice-President*	St. Louis, Mo.
3 M. A. Downing	*Secretary*	Indianapolis, Ind.
4 J. A. Hanson	*Treasurer*	" "
5 S. H. Cobb	*Auditor*	" "

General office, St. Louis, Mo. Branch office, Indianapolis, Ind.

678 St. Louis and Cairo RR.—Cairo to E. St. Louis, Ill., 152 miles; High Prairie Branch, 9 miles.

1 Charles Hamilton	*Pres. & G. Man*	St. Louis, Mo.
2 J. A. Horsey	*Vice-President.*	New York, N. Y.
3 William Ritchie	*Secretary*	Chicago, Ill.
4 George S. Pearce[24]	*Cashier*	St. Louis, Mo.
5 J. W. Fry	*Gen. Supt.*	" "
6 Charles Hamilton[5]	*Chief Eng.*	" "
7 J. W. Ravlin	*Asst. Supt.*	E. St. Louis, Ill.
8 R. Bell[1]	*As. G. F. & P. A.*	St. Louis, Mo.
9 W. W. Booraem[2]	*Auditor*	" "
10 Richard Boyle	*Road Master*	Sparta, Ill.
11 E. I. Newell	*Mas. Mechanic.*	E. St. Louis, Ill.
12 Fred. Rausch	*For. of Reps.*	" "
13 T. J. Wilkinson	*Supt. Bridges*	Sparta, Ill.

679 St. Louis and Central Illinois RR. (Reorganization of Jerseyville Branch of Wabash, St. Louis and Pacific RR.).

1 Delos R. Haynes	*President*	St. Louis, Mo.
2 Morris R. Locke	*Vice-President.*	Jerseyville, Ill.
3 L. C. Haynes	*Secretary*	St. Louis, Mo.
4 H. A. Fisher	*Treas & G. M.*	" "
5 W. R. Church	*Gen. F. & T. A.*	Springfield, Ill.
6 Jos. Dickson	*Gen. Solicitor*	St. Louis, Mo
7 Wm. H. Hartman	*Superintendent*	Springfield, Ill.

680 St. Louis, Creve Cœur and St. Charles Ry.—St. Louis to Florissant, 16 miles.

1 M. A. Downing	*President*	St. Louis, Mo.
2 F. M. Colburn	*V.-P. & G. Man.*	" "
3 S. H. Cobb	*Sec. & Treas.*	" "
4 E. W. Church	*Master Mech.*	Florissant, Mo.

General office, St. Louis, Mo.

681 St. Louis, Des Moines and Northern Ry.—Des Moines to Boone, Ia., 42 miles.

1 Grenville M. Dodge	*President*	New York, N. Y.
2 F. M. Hubbell	*Vice-President.*	Des Moines, Ia.
3 J. T. Granger	*Sec. & Treas.*	" "
4 J. S. Polk	*Asst. Sec. & Tr.*	New York, N. Y.
5 C. F. Meek	*Gen. Supt.*	Des Moines, Ia.

General office, Des Moines, Ia.

682 St. Louis and Emporia RR.—Butler to Le Roy, 75 miles.

1 George J. Gould	*President*	New York, N. Y.
2 H. C. Cross	*Vice-President.*	Emporia, Kan.
3 Geo. C. Smith	*Secretary*	St. Louis Mo.
4 A. H. Calef	*Treasurer*	New York, N. Y.
5 F. B. Drake	*Superintendent*	Sedalia, Mo.
6 H. C. Townsend	*Gen. Fgt. & P. A*	St. Louis, Mo.
7 C. G. Warner	*Gen. Auditor*	" "
8 W. H. Newman	*Gen. Traf Mgr.*	" "
9 O. G. Murray	*Fgt. Traf. Mgr.*	Galveston, Tex.

683 St. Louis, Ft. Scott and Wichita RR.

See Missouri Pacific Company.

684 St. Louis and Hannibal RR.—St. Louis Junction to Gilmore, 82 miles.

1 John I. Blair	*President*	Blairstown, N. J.
2 S. S. Palmer	*Sec. & Treas.*	New York, N. Y.
3 E. C. Case[4 5 9 10]	*Gen. M. & A. Tr.*	Hannibal, Mo.
4 W. W. Driggs[267811]	*Gen F & T. A.*	" "
5 F. C. Cake, Jr.	*Auditor*	" "
6 Richard J. Whalen	*Master Mech.*	OakwoodJct., Mo.
7 Sherman Driggs	*R. M. & S. B. & B*	Frankford, Mo.
8 John F. Weir	*Gen. Agent*	St. Louis, Mo.

General office, Hannibal, Mo.

685 St. Louis, Iron Mountain and Southern RR.

See Missouri Pacific Company.

686 St. Louis, Keokuk and North-Western Ry.

See Chicago, Burlington and Quincy RR.

687 St. Louis, Salem and Little Rock RR.—Now leased by St. Louis and San Francisco Ry.

☞ *See note of explanation on first page.*

STONER & McCLURE,

MANUFACTURERS OF

LONG PINE BRIDGE TIMBER,

PITTSBURGH, PA.

Capacity, - - 150,000 Feet per Day.

RUN ALL THE YEAR. CAN FILL ORDERS IN WINTER ON SHORT NOTICE.

FREMONT & RYAN,

ATLANTA, GA.,

GEORGIA LONG-LEAF YELLOW PINE CAR SILLS,

ROOFING AND DECKING.

THE BEST IN THE WORLD. WRITE OR TELEGRAPH FOR PRICES.

688 St. Louis and San Francisco Ry.—St. Louis to Seneca, 337 miles; branches, 488 miles.

1 Edward F. Winslow	*President*	New York, N. Y.
2 C. W. Rogers	*Vice-President.*	St. Louis, Mo.
3 John O. Day	*2d V.-P. & Atty.*	" "
4 T. W. Lillie	*Sec. & Treas.*	New York, N. Y.
5 George Butler	*Asst. Treas.*	" "
6 H. L. Morrill	*Gen. Manager.*	St. Louis, Mo.
7 D. Wishart	*Gen. Pass. Agt.*	" "
8 Geo. W. Cale	*Gen. Fgt. Agent*	" "
9 F. D. Russell	*Asst. G. Fgt. A*	" "
10 A. Graydon[3 4 9 10]	*Cashier*	" "
11 A. Douglas[2 7 8]	*Auditor*	" "
12 James Dun	*Chief Engineer*	" "
13 D. H. Nichols	*Gen. Supt.*	Springfield, Mo.
14 F. P. Wherry	*Purch. Agent*	St. Louis, Mo.
15 L. Headley	*Supt. Teleg.*	Springfield, Mo.
16 W. A. Thoms	*Supt. Cent. Div.*	" "
17 W. D. Garwood	*Gen. Bag. Agt.*	" "
18 A. Veech	*Supt. East. Div.*	St. Louis, Mo.
19 J. R. Wentworth	*Supt. Kan. Div.*	Neodesha, Kan.
20 F. E. Merrill	*Supt. of Cons.*	Ft. Smith, Ark.
21 M. G. Moist	*Fuel Agent*	Springfield, Mo.
22 M. Kearney	*Master Mech.*	" "
23 J. R. McCabe	*For. Loc. Rep.*	" "
24 F. Doyle	*For. Car Rep.*	" "
25 Isaac Price	*Mast. Car Pntr*	" "
26 S. Lyman	*Gen. Road Mas.*	" "

General and Travelling Agents, etc.

27 W. L. Van Nest	*Gen. East. Agt.*	New York, N. Y.
28 Geo. J. Humphrey	*East. Pass. Agt.*	" "
29 C. T. Appleby	*Cent. Pass. Agt.*	Columbus, O.
30 L. Rausch	*So. Pass. Agt.*	Cincinnati, O.
31 S. H. Jennings	*No. Pass. Agt.*	Chicago, Ill.
32 Cal. Dutton	*City Pass. Agt.*	St. Louis, Mo.
33 Geo. Lower	*Trav. Land A.*	Decatur, Ill.
34 Carl Gray	*Com. Agent*	Wichita, Kan.
35 B. F. Nevins	*Wn. Trav. Agt.*	So. Pueblo, Cal.
36 H. O. Dinkins	*Pac. Co. P. Agt.*	San Francisco, Cal
37 F. C. Hoyt	*Land Agt.*	St. Louis, Mo.
38 J. H. Cook	*N. W. Fgt. Agt.*	Chicago, Ill.
39 C. H. Ivers	*Cont Fgt. Agt.*	St. Louis, Mo.
40 J. G. Taylor	*Live Stock Agt.*	" "

40 *Division Road Masters.*—John Coffey, Rolla, Mo.; J. McCarty, Lebanon, Mo.; H. Tyson, Pierce City, Mo.; D. Cronan, Carl Junction, Mo.; J. Mooney, Rogers, Ark.; W. Williams, Vinita, I. T.; R. Holland, Fredonia, Kan; B. Thrall, Augusta, Kan.; James Monical, Winfield, Kan.

General office, St. Louis, Mo. Transfer office, Mills Building, New York, N. Y. Registrar of Stock, Metropolitan Trust Co., New York, N. Y.

689 St. Louis, Vandalia and Terre Haute RR.

See Vandalia Line.

690 St. Martin's and Upham Ry.—St. Martin's to Hampton, 29 miles.

1 Gilbert W. Titus	*President*	Bloomfield, N. B.
2 George Barnes	*Sec. & Treas.*	Hampton, N. B.
3 A. R. Killam[5]	*Gen. Manager.*	Moncton, N. B.
4 Bliss B. Brown	*Asst. Gen. Man.*	St. Martin's, N.B.
5 A. M. Travis	*Gen. T. & Fu. A.*	Hampton, N. B.
6 H. G. Colpetts	*Auditor*	Petitcodiac, N.B.
7 John Weir	*Fmn. Loco. Rep*	Moncton, N. B.

General office, St. Martin's, N. B.

691 St. Paul and Duluth RR.—St. Paul to Duluth, 155 miles; branches and leased lines, 70 miles.

1 W. H. Fisher	*Pres. & G. Sup.*	St. Paul, Minn.
2 William H. Rhawn	*Vice-President*	Philadelphia, Pa.
3 James Smith, Jr	*Gen. Solicitor*	St. Paul, Minn.
4 Philip S. Harris[2 4 9 10]	*Sec. & Treas.*	" "
5 Calhoun Latham	*Asst. Secretary.*	New York, N. Y.
6 G. F. Copeland	*Asst. Supt.*	St. Paul, Minn.
7 E. F. Dodge[6]	*Gen. T. & F. A.*	" "
8 P. A. Rockwell	*As. G. F. & P. A.*	" "
9 C. F. Ward	*Mast. Mech.*	" "
10 J. G. Callahan	*Land C. & Pu A.*	" "
11 David A. McKinlay[2]	*Auditor*	" "
12 Geo. H. Smith, Jr.	*S. T. & Chf. T. D*	" "

691 St. Paul and Duluth RR.—*Continued.*

13 Benjamin T. McIver	*Supt. B. & B.*	St. Paul, Minn.
14 G. H. Staehle[7 9 11]	*Car. Account't.*	" "
15 C. A. F. Morris	*Chief Engineer*	" "
16 E. D. McDonald	*Fuel Agent*	" "
17 F. C. Mallory	*Fmn. Fnt Shop*	" "
18 A. Christie	*Fmn. Car Shop*	" "
19 James Whittaker.	*Fmn. Rep. Shop*	Duluth, Minn.
20 M. D. Kelly	*Road Master*	St. Paul, Minn.
21 F. McNaughton	*Road Master*	Duluth, Minn.

General office, St. Paul, Minn. Transfer office, Fourth National Bank, New York, N. Y.

692 St. Paul, Minneapolis and Manitoba Ry.—St. Paul to Manitoba Line, 391 miles; East Minneapolis to Manitoba Line, 413 miles; branches, 1,054 miles—total length, 1,858 miles.

1 James J. Hill	*President*	St. Paul, Minn.
2 John S. Kennedy	*Vice-President.*	New York, N. Y.
3 Ed. Sawyer[3 4 9 10]	*Sec. & Treas.*	St. Paul, Minn.
4 E. T. Nichols	*Asst. Secretary.*	New York, N. Y.
5 W. E. Smith	*Gen. solicitor*	St. Paul, Minn.
6 Allen Manvel	*Gen. Manager*	" "
7 H. C. Ives	*Asst. Gen. Man.*	" "
8 Jno. M. Egan	*Gen. Supt.*	" "
9 E. B. Wakeman	*Asst. Gen. Supt.*	" "
10 W. S. Alexander	*Traf. Manager*	" "
11 A. L Mohler	*Gen. Fgt. Agt.*	" "
12 C. H. Warren	*Gen. Pass. Agt.*	" "
13 A. H. Bode	*Comptroller*	" "
14 J. Bookwalter	*La & Em. Com.*	" "
15 N. D. Miller	*Chief Engineer.*	" "
16 S. S. Breed[2]	*Gen. Auditor*	" "
17 S. J. Beals	*Asst. Auditor*	" "
18 W. T. Reed	*Mast. Mech.*	" "
19 J. C. Morrison	*Purch. Agt.*	" "
20 S. E. Dana	*Gen. Bag. Agt.*	" "
21 C. B. Yale	*Claim Agent*	" "
22 Fred. Brackett	*Land Agent*	Washington, D.C.
23 C. H. Cannon[7 8 11]	*Car Ser. Agt.* / *Car Account't*	St. Paul, Minn.
24 J. B. Rice	*Supt F. F. Div.*	" "
25 R. W. Bryan	*As. Su. F. F. Div*	St. Cloud, Minn.
26 J. A. Mayer	*Supt. Brock. Div*	St. Paul, Minn.
27 A. Guthrie	*Supt. Nor. Div.*	Barnesville, Minn
28 C. H. Jenks	*Supt. Dak. Div.*	" "
29 C. Shields	*Supt. Mont. Div.*	Minot, Dak.
30 E. H Brown	*Supt. Sleep'g. C*	St. Paul, Minn.
31 J. M. Huckins	*Trav. Agent*	Toronto, Ont.
32 E. P. Allen	*Trav. Agent*	New York, N. Y.
33 D. W. H. Moreland	*Trav. Agent*	Detroit, Mich.
34 Ed. Fishback	*Trav. Agent*	Indianapolis, Ind.
35 A. W. Browning	*Trav. Agent*	Chicago, Ill.
36 W. Abel	*Trav. Agent*	Milwaukee, Wis.
37 R. G. Jaffray	*Trav. Agent*	Des Moines, Ia.
38 S. L. Warren	*Gen. East. Agt.*	New York, N. Y.
39 E. C. Lawrence	*Pass. Agent*	Chicago, Ill.
40 C. J. Gooding	*Gen. Agent*	Minneapolis, Min
41 R. D. Bloomfield	*Fuel Agent*	St. Paul, Minn.

42 *Road Masters.*—J. C. Brennan, St. Paul, Minn.; John Mayer, Delano, Minn.; James Malloy, Grand Forks, Dak.; J. J. Brennan, Crookston, Minn.

(*a*) *Minneapolis Union Railway.*—In the city of Minneapolis, 2 miles.

1 James J. Hill	*President*	St. Paul, Minn.
2 A. Manvel	*Vice.-P. & G. M.*	" "
3 Edward Sawyer	*Treasurer*	" "
4 H. V. Dougan	*Sec. & Supt.*	Minneapolis, Min

General office, St. Paul, Minn.

693 St. Paul Union Depot Co.—In the city of St. Paul, 5.50 miles.

1 E. W. Winter	*President*	St. Paul, Minn.
2 J. T. Odell	*Vice-President.*	" "
3 C. B. Brunson[3 4] [5 7 8 9 10 11 a]	*Sec. & Supt.*	" "
4 H. P. Upham	*Treasurer*	" "
5 C. Moffatt	*Track Master*	" "
6 F. Christophel	*For. Rep. Shops.*	" "
7 John Kemp	*For. Rep. Shops*	" "
8 John McGuire	*Yard Master*	" "
9 H. R. Hill[6]	*Bag. Master*	" "

☞ *See note of explanation on first page.*

MANN BROTHERS,

6 & 8 Wabash Ave., Chicago,

Long-Leaf Yellow Pine.

CAR SILLS AND BRIDGE TIMBER

CUT TO ORDER.

Kiln-dried Flooring, Ceiling and Finishing Lumber

ALWAYS ON HAND.

All shipments made direct from the mills in Alabama and Mississippi.

JOEL H. MILLENER,

Railroad Cross Ties

AND

TIMBER.

Ties Delivery: Lake Erie and Ontario Ports.

---

220 Main Street,

(OVER MARINE BANK,)

BUFFALO, N. Y.

694 Salem and Eastern RR.—Salem to Riverside, 9 miles.

1 John W. Harrison..	*President*	St. Louis, Mo.
2 F. Shickle	*Vice-President.*	" "
3 E. C. Lackland	*Sec. & G. F. & T. A*	" "
4 Thomas J. Scott	*Superintend't.*	Salem, Mo.

695 Salt Lake and Western Ry.

See Union Pacific Company.

696 San Antonio and Aransas Pass RR.—Main line as projected: Aransas Pass to New Mexico line; completed from Boerne to Corpus Christi, 184 miles, with branches, 76 miles.

1 U. Lott	*Pres. & G. Man.*	San Antonio, Tex.
2 R. P. Swenson	*Vice-President.*	New York, N. Y.
3 B. F. Yoakum	*Asst. G. M., Sec., Tr. & Traf. Mgr*	S. Antonio, Tex.
4 H. R. Irvine	*Superintendent*	" "
5 H. T. Nichols	*Master Mech*	" "

697 Sandersville and Tennille RR.—Tennille to Sandersville, 3 miles.

1 C. R. Pringle	*President*	Sandersville, Ga.
2 R. L. Warthen	*Vice-President.*	" "
3 G. D. Warthen	*Treasurer*	" "
4 H. N. Hollifield	*Secretary*	" "
5 J. B. Wicker	*Gen. Fgt. Agt.*	" "
6 J. I. Irwin	*G. Sp. & Tkt. A.*	" "
7 J. I. Irwin	*Road Master*	" "

698 Sandy River Railroad.—Farmington to Phillips, 18 miles.

1 N. B. Beal[2]	*Pr. Sp. G. Fgt. A*	Phillips, Me.
2 J. E. Thompson	*Trs. & G. Tk. A.*	" "
3 D. M. Bonney	*Secretary*	Farmington, Me.
4 C. P. Steward	*Rd. Ms. Sp. Brg.*	Phillips, Me.
5 M. Saunders	*M. M. & Cr. Rp.*	" "
6 M. Towle	*Engineer*	" "
7 R. E. Harden	*Gen. Bag. Agt.*	" "
8 M. S. Kelley	*Mast. Car Paint*	" "

General office, Phillips, Me.

699 San Francisco and North Pacific RR.—San Francisco to Cloverdale, 84½ miles; branches, 23 miles; Sonoma Valley RR., 22 miles.

1 James M. Donahue.	*President*	S. Francisco, Cal.
2 H. C. Whiting	*V.-Pres. & Supt.*	San Rafael, Cal.
3 T. W. Johnston	*Sec. & Auditor*	S. Francisco, Cal.
4 J. H. von Schröder.	*Treasurer*	" "
5 Peter J. McGlynn[2].	*Gn. Ps. & Tk. A.*	" "
6 Charles Thorne, Jr.[6]	*Gen. Fgt. Agt.*	" "
7 F. K. Zook	*Chief Engineer*	" "
8 Edward Reynolds..	*Master Mech.*	Donahue, Cal.
9 Patrick Hyde	*Road Master*	Santa Rosa, Cal.

Other officers same as San Francisco and North Pacific RR.

General office, 430 Montgomery St., San Francisco, Cal.

700 San Joaquin and Sierra Nevada RR.—Bracks to Valley Spring, Cal., 40 miles.

1 Frederick Birdsall..	*Pres. & Gen. Mgr*	Sacramento, Cal.
2 Jacob Brack	*Vice-President.*	Woodbridge, Cal.
3 Edward F. Stone	*Secretary*	S. Francisco, Cal.
4 The Pacific Bank.	*Treasurer.*	" "
5 S. Washburn	*Gen. Supt.*	Woodbridge, Cal.
6 John Scott	*G. Pas. & Ft. A.*	" "
7 R. F. Schlittler	*For. Rep. Shops*	" "

General office, 306 Pine St., San Francisco, Cal.

701 San Pete Valley RR.—Nephi to Wales, U. T., 30 miles: Big Canon Extension, 3 miles.

1 Henry W. Tyler	*President*	London, Eng.
2 Thomas Marshall..	*Vice-President.*	Salt Lake, U. T.
3 F. K. Morris	*Secretary*	" "
4 S. Bamberger	*Gen. Manager.*	" "
5 H. S. Kerr	*Sp. & Chf. Eng.*	Wales, U. T.
6 B. Bates	*Master Mech.*	" "
7 O. F. Sorenson	*Road Master*	" "
8 J. E. Bamberger	*Purch. Agent.*	Salt Lake, U. T.

General office, Wales, U. T.

702 Saratoga and Almaden RR.—Murphy's Station to Almaden, 20 miles.

1 D. M. Pyle	*President*	San José, Cal.
2 J. C. Winans	*Sec. & Treas.*	" "
3 Henry E. Brainard.	*Chief Engineer*	" "

703 Saratoga, Mount McGregor and Lake George RR.—Saratoga Springs to Mount McGregor, 11 miles.

1 John Kellogg	*President*	Amsterdam, N.Y.
2 W. J. Arkell	*Vice-President.*	Canajoharie, NY.
3 A. G. Richmond	*2d V-Pres. & Tr.*	" "
4 D. H. Fonda	*Gen. Manager.*	Albany, N. Y.
5 R. Prescott	*Chief Engineer.*	" "
6 Thomas Todd	*Master. Mech.*	SaratogaSpa, NY.
7 Jacob Devoe	*Road Master*	" "

General office, Canajoharie, N. Y.

704 Savannah, Florida and Western Ry.

See Plant Investment Company.

705 Savannah, Griffen and North Alabama RR.

See Central RR. of Georgia.

706 Schoharie Valley RR.—Schoharie to Schoharie Junction, 4 miles.

1 David B. Vroman	*President.*	Schoharie, N. Y.
2 Lucian Vroman	*Vice-President.*	" "
3 William J. Vroman.	*Secretary*	" "
4 Chas. Vroman	*Treasurer*	" "
5 Corn. P. Vroman	*Gen. Manager.*	" "
6 M. J. Vroman	*Gen. T. Agt*	" "

707 Scioto Valley Ry.—Columbus to Petersburg, 131 miles.

1 J. Robinson[2 4 9 10].	*Receiver*	Columbus, O.
2 Frank H. Davis	*President*	New York, N. Y.
3 W. W. Franklin	*Vice-President.*	Columbus, O.
4 W. P. Hillhouse	*Secretary*	New York, N. Y.
5 J. J. Archer	*G. Fgt. & Tk. A.*	Columbus, O.
6 George Watkins	*Transfer Agt.*	New York, N. Y.
7 C. M. Zink[2 7 8]	*Auditor*	Columbus, O.
8 Julian Griggs	*Engineer*	" "
9 R. Bromley	*Master Mech.*	Portsmouth, O.
10 T. G. Bothwell	*Road Master*	Chillicothe, O.
11 E. D. Hines	*Bridge Master.*	" "
12 A. J Johnson	*Supt. Teleg.*	Columbus, O.
13 J. W. Campbell	*Supt. Trains*	" "
14 W. K. Field[11]	*Car Account'nt.*	" "

General office, Columbus, O.

708 Seaboard Air Line.

(*a*) *Seaboard and Roanoke RR.*—Portsmouth to Weldon, 80 miles.

1 John M. Robinson	*Pres. & G. Supt.*	Baltimore, Md.
2 W. W. Chamberlaine[3 4 9 10].	*Treas. & Sec.*	Portsmouth, Va.
3 L. T. Myers[1]	*Supt. Transp.*	" "
4 S. T. Hand	*Road Master*	" "
5 J. S. Browne	*Mast. Trans.*	" "
6 J. W. Brown[2]	*Ft. & Tk. Aud.*	" "
7 Sol. Haas	*Traffic Manag.*	Richmond, Va.
8 J. A. Walton[7 8]	*Aud. & Pch. A.*	Portsmouth, Va.
9 C. W. Walker	*Master Mach.*	" "
10 D. W. Ballentine	*Mast. Car B'r.*	" "

General office, Portsmouth, Va.

(*b*) *Carolina Central RR.*—Wilmington to Rutherfordton, 267 miles.

1 John M. Robinson	*President*	Baltimore, Md.
2 John H. Sharp[3 4 9 10]	*Sec. & Treas.*	Wilmington, N.C.
3 John C. Winder	*G Mgr & Pch A.*	Raleigh, N. C.
4 L. C. Jones[7 8 11]	*Superintend't.*	Wilmington, N.C.
5 Sol. Haas	*Traffic Manag.*	Richmond, Va.
6 F. W. Clark[8]	*G. Fgt. & Pas. A.*	Wilmington, N.C
7 A. J. Howell	*Auditor.*	" "
8 W. H. Allen	*Mast. of Transp*	" "
9 James Maglenn	*Mast. Mech.*	Lauriuburg, N. C.
10 T. W. Whisnant	*Road Master*	Charlotte, N. C.
11 W. B. Summersett	*Road Master*	Shoe Heel, N. C.
12 T. L. Shaw	*For. Loco. Rep.*	Lauriuburg, N. C.
13 S. R. Etheridge	*Mast. Car Br*	" "
14 G. W. Goodwin	*Met. Car Paint.*	" "

General office, Wilmington, N. C.

☞ *See note of explanation on first page.*

A. BUSHNELL,

WHOLESALE DEALER IN

White Oak Piling,

RAILROAD

AND

FARM OAK POSTS,

CYPRESS POLES

and PILING.

SOUTH-EAST CORNER OF NINTH AND BROADWAY, ROOM 10,

KANSAS CITY, MO.

☞ Will contract for any amount, and fill promptly.

MAHOGANY.

Sold in the log or Cut to order.

A large stock constantly on hand. Car-load lots furnished at low rates. Also dealers in all kinds of Hard and Soft Woods.

DANNAT & PELL,

Foot of Broome Street, East River, New York City.

D. C. Tillotson. F. W. Loveless.

HUNTER, TILLOTSON & CO.

WHOLESALE

Lumber Dealers.

Car Siding and Roofing

A Specialty.

MUSKEGON, MICH.

We have special facilities for making the above, and request the correspondence of car builders and railroad officials.

John R. Graham, Jr.,

IMPORTER AND DEALER IN

ROSEWOOD & MAHOGANY,

AND ALL OTHER

FOREIGN AND DOMESTIC

Cabinet Woods,

SUITABLE FOR CAR WORK.

Cor. 11th Av. & 30th St.,

NEW YORK.

708 Seaboard Air Line—*Continued.*

(*c*) *Raleigh and Augusta Air Line RR.*—Raleigh to Hamlet, 96 miles; Gibson Branch, 10 miles.

1 John M. Robinson	*President*	Baltimore, Md.
2 W. W. Vass[3 4 9 10]	*Treas. & Sec.*	Raleigh, N. C.
3 John C. Winder[5 7 8]	*Gen. Manager*	" "
4 William Smith[11]	*Superintend't*	" "
5 Sol. Haas	*Traffic Manag.*	Richmond, Va.
6 F. W. Clark	*G.Fgt & Tk Agt.*	Wilmington, N.C.
7 J. B. Martin	*Auditor*	Raleigh, N. C.
8 H. P. Guess	*Road Master*	Cary, N. C.
9 B. R. Harding	*Master Mech*	Raleigh, N. C.
10 J. H. Hill	*Gen. Bag. Agt.*	Richmond, Va.
11 R. T. Bishop	*For. Car Bldrs.*	Raleigh, N. C.

General office, Raleigh, N. C.

(*d*) *Raleigh and Gaston RR.*—Raleigh to Weldon, 98 miles.

1 John M. Robinson	*President*	Baltimore, Md.
2 John C. Winder	*Gen. Manager*	Raleigh, N. C.
3 William Smith	*Superintend't*	" "
4 W. W. Vass	*Treas. & Sec.*	" "
5 J. B. Martin	*Auditor*	" "
6 B. R. Harding	*Master Mech*	" "
7 J. R. Thower	*Road Master*	Henderson, N.C.

Other officers same as Raleigh and Augusta Air Line.

General office, Halifax St., Raleigh, N. C.

709 Sea View RR. (Late Coney Island Elevated Railway.)

1 F. A. Schroeder	*President*	Brooklyn, N. Y.
2 Isidore M. Bon	*Treasurer*	" "
3 J. L. Morrow[5]	*Sec. & Gen. Supt*	Flatbush, N. Y.
4 William Finley	*Mast. Mech.*	" "
5 John Erbelding	*Road Master*	" "

General office, Flatbush, N. Y.

710 Sebasticook and Moosehead RR.—Projected from Pittsfield to Moosehead Lake, and completed from Pittsfield to Hartland, 8 miles.

1 Thomas Temple	*President*	Pittsfield, Me.
2 J. O. Bradbury	*Treasurer*	" "
3 James Mitchell	*Superintend't*	" "

711 Sedalia, Warsaw and Southern Ry.

See Missouri Pacific Company.

712 Sheffield and Birmingham RR.—Sheffield to Russellville, Ala., 22.5 miles.

1. A. B. Stone	*President*	New York, N. Y.
2. A. O. Beebe	*Sec. & Treas.*	" "
3. P. Campbell	*Supt. & Mgr.*	Sheffield, Ala.

713 Shelby Iron Company's RR.—Shelby Iron Works to Columbiana, 6 miles.

1 Newton Case	*President*	Shelby I. W., Ala.
2 O. D. Case	*Secretary*	" "
3 H. R. Stoughton[5]	*Gen. Manager*	" "
4 John S. Chester	*Mast. Mech.*	" "
5 J. D. Bostock	*Gen. Supt.*	" "

714 Shell Beach RR.

See New Orleans and Gulf.

715 Shenandoah Valley RR.—Hagerstown to Roanoke, 238 miles; branches, 17 miles.

1 Sidney F. Tyler	*Pres. & Receiver*	Philadelphia, Pa.
2 U. L. Boyce	*Vice-President.*	Boyce P. O., Va.
3 G.R.W.Armes[2 4 9 10]	*Treasurer*	Philadelphia, Pa.
4 Alfred E. Craven	*Secretary*	" "
5 D.W.Flickwir[7 8 11]	*Superintend't*	Roanoke, Va.
6 O.Howard Royer[10]	*G. P. & F. Ag.*	" "
7 T. H. Bransford[9]	*Auditor*	" "
8 S. H. Hardwick	*Gen. Em. Pas. A.*	New York, N. Y.
9 C. P. Gaither	*N. Eng. Pass. A.*	Boston, Mass.
10 W. C. De Armond	*Purch. Agent*	Philadelphia, Pa.
11 T. Fitzgerald	*Supervisor*	Sh'ph'dst'n, W.V.
12 Charles Morgan	*Supervisor*	Luray, Va.
13 Thomas Eagan	*Supervisor*	Buchanan, Va.
14 I. A. Bricker	*Bridge Inspr.*	Milnes, Va.
15 B. J. Sitton	*Mast. Mech.*	" "
16 C. H. Brown	*Foreman*	Hagerstown, Md.

715 Shenandoah Valley RR.—*Continued.*

17 W. C. Rolston	*Foreman*	Roanoke, Va.
18 J. S. Templon	*F. Round Hse.*	Milnes, Va.
19 D. B. Middagh	*For. Car Shops.*	" "

General office, Roanoke, Va. Transfer office, 333 Walnut St., Philadelphia, Pa

716 Shenango and Allegheny RR.—Greenville to Hilliard, 47 miles; branches, etc., 26 miles.

1 Thomas P. Fowler	*Receiver*	New York, N. Y.
2 J. T. Blair[5]	*Pres. & G. M.*	Greenville, Pa.
3 Thomas H. Wells	*Vice-President.*	Youngstown, O.
4 P. E. McCray[2 7 8]	*Auditor & Sec.*	Greenville, Pa.
5 I.D.Stinson[3 4 9 10]	*G. P. A. & T.*	" "
6 E. Richardson	*Mast. Mech*	Shenango, Pa.
7 F. P. James	*Chief Engineer.*	Mercer, Pa.
8 G. W. Considine	*Road Master*	Fredonia, Pa.
9 M. L. Osterhout[11]	*M. T., Car A.*	Greenville, Pa.
10 E. Fisher	*Bridge Fore.*	" "
11 J. Buchanan	*F. Carp. Shop.*	" "
12 Aug. Seiger	*F. Paint Shop.*	" "

General office, Greenville, Pa.

717 Shepaug, Litchfield and Northern RR.—Litchfield to Hawleyville, 32 miles.

1 Henry W. Buel	*President*	Litchfield, Ct.
2 C. H. Colt[5 4 †]	*V.-P. & Treas.*	" "
3 William Deming	*Secretary*	" "
4 Alex.McNeill[5 6 7 8]	*Superintend't*	" "
5 Hollister	*Mast. Mech.*	" "
6 D. C. Garrison	*Road Master*	Roxbury Sta., Ct.
7 Edward Clark	*Mast. Car. Br.*	Litchfield, Ct.

General office, Litchfield, Ct.

718 Ship Island, Ripley and Kentucky RR.—Middleton to Ripley, 25 miles.

1 W. C. Falkner	*President*	Ripley, Miss.
2 C. L. Harris[1 3 4 5]	*Sup., Sec. & Tr.*	" "
3 R. J. Thurmond	*Gen. Manager*	" "

General office, Ripley, Miss.

719 Short Route Railway Transfer.

See Chesapeake and Ohio Ry.

720 Shreveport and Houston RR.

See Houston, East and West Texas Ry.

721 Silver Lake RR.—Perry to Silver Springs, 7 miles.

1 Arthur G. Yates	*President*	Rochester, N. Y.
2 H. H. Warner	*V-Pres. & Treas*	" "
3 F. W. Yates	*Asst. Treas*	" "
4 Chas. H. Blakeslee	*Secretary*	" "
5 J. L. Moore	*Superintend't*	Buffalo, N. Y.

722 Silver Springs, Ocala and Gulf RR.—Ocala west, 25 miles.

1 Thomas C. Hoge	*President*	New York, N. Y.
2 J. B Upham	*Vice-President.*	" "
3 H. W. Beebe	*Secretary*	" "
4 A. P. Man, Jr.	*Gen. Manager.*	Ocala, Fla.
5 N. R. Gruelle	*Sup. & C. E.*	" "
6 G. N. Saussy	*G. F. & P. Agt.*	" "
7 Edgar C. Bird	*Asst. Treas*	" "

723 Simmemahoning Valley Ry.—Keating to Costello, 18 miles.

1 Frank H. Goodyear	*President*	Buffalo, N. Y.
2 C. W. Goodyear	*Vice-President.*	" "
3 E. O. Cheney	*Treas. & Aud.*	" "
4 C. D. R. Stowits	*G. P. & F. A.*	" "
5 G. B. Booth	*Superintend't*	Keat'g Summit, Pa
6 G. Lenbaum	*Road Master*	" "
7 Geo. Holiston	*Chief Engineer*	" "

General office, Forest House, Potter Co., Pa.

724 Sioux City and Pacific RR.

See Chicago and North-Western Ry. System.

725 Skaneateles Railroad.—Junction (N. Y. C. & H. R.) to Skaneateles, 5 miles.

1 John E. Waller	*President*	Skaneateles, N.Y.
2 H. C. Sherman	*Vice-President.*	Mottville, N. Y.

☞ *See note of explanation on first page.*

DODGE, MEIGS & CO.

72 Wall Street,

NEW YORK,

MANUFACTURERS OF

GEORGIA PINE TIMBER,

— AT —

ST. SIMON'S MILLS,

GEORGIA.

Vessels drawing twenty feet can load at Mill Wharves.

CARGOES CUT TO ORDER.

Vanderbilt & Hopkins

LUMBER

— AND —

TIMBER.

White and Yellow Pine, Oak, Cypress, Ash & Poplar.

Dimension Lumber Sawed to Order.

RAILROAD TIES.

Creosoted Lumber, Timber Ties, etc.

120 LIBERTY ST.,

NEW YORK.

A. B. WETMORE,

Standard Building,

1285 Broadway, New York.

LUMBER

Commission Merchant.

Railroad and Ship Timber Sawed to Bills.

WALNUT, CHERRY, ASH, OAK and POPLAR LOGS.

Bill Lumber and Logs, Lighterage Free.

REFERENCES:

St. Nicholas Bank, New York City.
F. S. Giddings, Green Springs, O.
Giddings & Cummings, Cummings, O.
Hon. Judge Cummings, Toledo, O.

Joseph Rathborne & Co,

WHOLESALE

White Pine

LUMBER.

Illinois Central R.R. Pier No. 2,

CHICAGO, ILL.

A Large Stock of DRY UPPERS and SELECTS, FLOORING, SIDING CEILING, etc. We pay particular attention to putting up Tank, Tub, and Pattern Stock in 2 inch, 2½ inch, 3 inch, and 4 inch thick, Wide Uppers.

Have fine stock of Car Roofing and Car Siding Strips, which we can furnish in Rough, or worked to order.

WRITE FOR PRICES.

725 Skaneateles Railroad—*Continued.*

3 J. McNamara[5]	*Trs., S., R. M.*	Skaneateles, N.Y.
4 George Barrow	*Secretary*	" "
5 Martin Fennell	*F. Repr. Shops*	" "
6 James King	*F. & I. of Rep.*	" "

726 Slate Run RR.—Slate Run to Terminus, 10 miles.

1 James B. Weed	*President*	Binghampt'n, N Y
2 F. M. Weed	*Treasurer*	" "
3 Wm. S. Hill	*Secretary*	" "
4 E. C. Rodman	*Gen. Supt.*	" "
5 A. P. Bovier	*Chief Engineer*	Elmira, N. Y.

General office, Montrose, Pa.

727 Sodus Bay and Southern RR.

See Pennsylvania Company.

728 Somerset Railway.—Oakland to North Anson, 25 miles.

1 John Ayer	*President*	Oakland, Me.
2 A. R. Small†	*Treasurer*	" "
3 Edward Rowe	*Sec. & Auditor*	Norridgewock Me
4 W. M. Ayer[6 7 8]	*G. S. & R. M.*	Oakland, Me.
5 C. Crowell	*Master Mach.*	No. Anson, Me.
6 S. P. Mosher	*Mas. Car Reps.*	Oakland, Me.
7 James Redmond	*F. Car P'nters.*	" "

General office, Oakland, Me.

729 Somerset County RR.—Draketown Junction to Schweibinzville, 10 miles.

1 M. Schweibinz	*President*	Pittsburgh, Pa.
2 James G. Blaine, Jr.	*Vice-President.*	New York, N. Y.
3 P. H. Schweibinz	*Sec. & Treas.*	Pittsburgh, Pa.
4 Richard Nevins, Jr.	*Gn. Sup. & C. E.*	" "

General office, Pittsburgh, Pa.

730 Sonoma Valley RR.

See San Francisco and North Pacific RR.

731 South Atlantic and Ohio RR.—Bristol, Va.-Tenn. Line, north-westerly, 8 miles. Projected to run from Bristol, Tenn., north-westerly through Virginia to the breaks in the Cumberland Mountains, 120 miles.

1 H. C. Wood	*President*	Bristol, Tenn.
2 J. M. Bailey	*Gen. Manager.*	" "
3 J. L. Wellington	*Superintend't.*	" "
4 J. Wilder	*Gen. Fgt. Agt.*	" "
5 Geo. A. Blackmore	*Gen. Pass. Agt.*	" "

732 Southern Central RR.

See Lehigh Valley RR.

733 Southern Kansas Ry.

See Atchison, Topeka and Santa Fé RR.

734 Southern Pacific Company.

GENERAL OFFICERS.

1 Leland Stanford	*President*	S. Francisco, Cal.
2 C. P. Huntington	*Vice-President.*	New York, N. Y.
3 Charles Crocker	*2d V.-Pres.*	S. Francisco, Cal.
4 C. F. Crocker	*3d V.-Pres.*	" "
5 Stephen T. Gage	*Asst. to Pres.*	" "
6 E. H. Miller, Jr.	*Sec. & Comp.*	" "
7 T. Hopkins[3 4 9 10]	*Treasurer*	" "
8 G. L. Lansing	*A. Sec. & A. Cont*	" "
9 N. T. Smith	*Asst. Treasurer*	" "
10 C. F. Krebs	*Asst. Clerk*	Louisville, Ky.
11 Geo. Watkins	*Trans. Agent.*	New York, N. Y.

OFFICIALS OF THE LINE.

12 A. N. Towne	*G. M. Pac. Sys.*	S. Francisco, Cal.
13 A. C. Hutchinson	*G. M. Atl. Sys.*	New Orleans, La.
14 J. C. Stubbs	*G. Traf. Mgr.*	S. Francisco, Cal.

(A) PACIFIC SYSTEM, comprising the following lines of road: Central Pacific RR., 1,291 miles; Northern Ry., 154 miles; San Pablo and Tulare RR., 47 miles; Berkeley Branch RR., 4 miles; California Pacific RR., 115 miles; Stockton and Copperopolis RR., 49 miles; Amador Branch RR., 27 miles; Southern Pacific RR. of California, 553 miles, Southern Pacific RR. of Arizona, 384 miles; Southern Pacific RR. of New Mexico, 191 miles; Los Angeles and San Diego RR., 28 miles; Los Angeles and Independence RR., 17 miles.

734 Southern Pacific Company—PACIFIC SYSTEM—*Continued.*

1 J. A. Fillmore	*Gen. Supt.*	S. Francisco, Cal.
2 R. H. Pratt	*Asst. Supt.*	" "
3 Wm. Hood	*Chief Engineer*	" "
4 W. G. Curtis	*Supt. of Track.*	" "
5 E. C. Wright	*Gen. Auditor*	" "
6 A. D. W. McCullough[3]	*Tick. Auditor*	" "
7 C. J. Wilder[7 8 11]	*Ft. Auditor*	" "
8 N. H. Foster	*A. M. P. & M. D.*	" "
9 Arthur Brown	*Su. Br. & Bld.*	Oakland, Cal.
10 Timothy Hopkins	*Purch. Agent.*	S. Francisco, Cal.
11 T. H. Goodman	*G. P. & T. A.*	" "
12 R. A. Donaldson	*Asst. Ticket A.*	" "
13 Richard Gray	*Gen. Ft. Agent.*	" "
14 C. F. Smurr	*1st Asst. Ft. A.*	Los Angeles, Cal.
15 J. M. Crawley	*2d Asst. Ft. A.*	S. Francisco, Cal.
16 Wm. Sproule	*3d Asst. Ft. A.*	" "
17 O. C. Wheeler	*Gen. Bag. Agt.*	" "
18 C. L. Crabtree	*Asst. G. B. A.*	" "
19 J. M. Hanford	*Paymaster.*	" "
20 F. L. VanDenburgh	*Supt. of Teleg.*	" "
21 W. H. Mills	*Ld. A. C. P. RR.*	" "
22 Jerome Madden	*Ld. A. S. P. RR.*	" "
23 Creed Haymond	*Gen. Solicitor*	" "

24 *Division Superintendents.*—A. D. Wilder, Oakland, Cal.; J. B. Wright, Sacramento, Cal.; G. W. Coddington, Tulare, Cal.; A. G. Fell, Ogden, Utah: E. E. Hewitt, Los Angeles, Cal.; J. A. Muir, Los Angeles, Cal.; W. W. Prugh, Stockton, Cal.; J. H. Whited, Wadsworth, Nev.; J. S. Noble, Tuscan, Ariz.

25 A. Foster	*As. Supt. Strs.*	Sacramento, Cal.

26 *Division Road Masters.*—N. B. Kellogg, Oakland Pier, Cal.; T. Fitzgerald, Carlin, Nev.; W. C. Ambrose, Tulare, Cal.; W. T. Lamble, Los Angeles, Cal.

27 *Road Masters.*—D. D. McWade, West Oakland, Cal.; J. J. Tracey, Lathrop, Cal.; A. L. Rabe, Blue Canon, Cal.; M. Sullivan, Truckee Cal.; James Griffin, Humboldt, Nev.; Peter Molloy, Winnemucca, Nev.; W. M. Patterson, Wells, Nev.; A. G. Hart, Promontory, Utah Ty.; John Mullen, Suisun, Cal.; E. Browning, Maxwell, Cal.; Geo. Holland, Marysville, Cal.; Joseph Mott, Redding, Cal.; M. F. Mullen, Merced, Cal.; T. P. Sullivan, Sumner, Cal.; O. T. Cassin, Keene, Cal.; N. A. McDonald, Los Angeles, Cal.; C. E. Stevens, Los Angeles, Cal.; C. K. Lamble, San Gorgonia, Cal.; H. F. Quinn, Yuma, Arizona Ty.; E. J. Mulvihill, Maricopa, Arizona Ty; S. R. McFarland, Benson, Arizona Ty.; B. S. Horton, Deming, New Mexico.

MOTIVE POWER AND MACHINERY DEPARTMENT.

28 A. J. Stevens	*Gen. Mas Mech.*	Sacramento, Cal.
29 Benjamin Welch	*Mast. Car B'r.*	" "
30 Benjamin Smith	*Trav. Eng.*	" "
31 Wm. McKenzie	*Master Mech.*	Oakland, Cal.
32 George D. Welch	*Fm. Mach. Shp.*	" "
33 W. B. Ludlow	*Mas. Car. Rep.*	" "
34 W. Patchen	*Fm. Round H.*	Lathrop, Cal.
35 J. W. Clark	*Fm. Round H.*	Sacramento, Cal.
36 E. M. Luckett	*G. Fm. Mach. S.*	" "
37 Charles Hooper	*Fm. Boiler Shp.*	" "
38 S. Uren	*Fm. Blacksm. S.*	" "
39 M. A. Baxter	*Fm. Foundry.*	" "
40 Gus. Bauman	*Fm. Cop. Shop.*	" "
41 G. J. Turner	*G. F. Car Shops*	" "
42 W. C. Fitch	*Fm. Paint Shp.*	" "
43 I. T. Crum	*Fm. Uph. Shp.*	" "
44 I. C. Shaw	*Fm. Patrn Shp.*	" "
45 Victor Lemay	*Fm. Cab. Shop*	" "
46 Phil. Douglass	*Fm. Car Rp. Sh.*	" "
47 George Driggs	*Fm. Yard*	" "
48 M. W. Cooley	*Div. Mas. Mech.*	Rocklin, Cal.
49 H. Gale	*Fm. Shops*	Truckee, Cal.
50 Geo. H. Hunt	*Master Mech.*	Wadsworth, Nev.
51 G. Angus	*Fm. Mach. Shp.*	" "
52 Chas. Duncan	*Fm. Round H.*	Winnemucca, Nev
53 P. Sheedy	*Master Mech.*	Carlin, Nev.

☞ *See note of explanation on first page.*

DETROIT BRIDGE AND IRON WORKS,

Engineers & Bridge Builders,

DETROIT, MICHIGAN.

WILLARD S. POPE, Pres't and Eng'r.

W. C. COLBURN, Sec'y and Treas.

W. L. BAKER, Sup't and Eng'r.

Steel, Iron & Combination Bridges,

VIADUCTS, ROOFS, TURNTABLES, FORGINGS,

AND GENERAL STRUCTURAL WORK.

JOHN A. NICHOLS, President.
H. W. BORNTRAEGER, Treasurer.

J. H. SAWYER, Secretary.
F. L. GARLINGHOUSE, Engineer.

THE

PITTSBURGH BRIDGE CO.

Iron Bridges, Viaducts and Buildings.

GENERAL WROUGHT IRON WORK.

OFFICE AND WORKS:

THIRTY-SIXTH ST., PITTSBURGH, PA.

734 Southern Pacific Company—MOTIVE POWER AND MACHINERY DEPARTMENT—*Continued.*

54 R. E. French	*Fm. Mach. Shp.*	Carlin, Nev.
55 A. Sherburne.....	*M. C. R., F. R. H.*	Ogden, U. T.
56 Charles Gill	*Mas. Car Reps.*	Red Bluff, Cal.
57 Seymour Johnson.	*Mast. Mech*....	Tulare, Cal.
58 F. Thayer.....	*Fm. Round H.*	Sumner, Cal.
59 W. W. Perkins ...	*Fm. Round H.*	Mojare, Cal.
60 George Gregg.....	*Master Mech*...	Los Angeles, Cal.
61 A. Campbell.....	*Fm. Mach. Shp.*	" "
62 C. E. Donnatin ...	*Mast. Car Reps.*	" "
63 Jno. Bonner	*Master Mech*...	Tucson, Ariz.
64 C. Wickstrom.....	*Fm. Shops*.....	Vallejo, Cal.
65 E. R. Rutherford..	*Fm. Car Shops*	S. Francisco, Cal.
66 M. J. Crosby....	*Ass't. M. M., S. & C. RR.*	Stockton, Cal.

(B) NORTHERN DIVISION, comprising the following railroads: Southern Pacific RR. of Cal., north of Goshen, 240 miles; Monterey RR., 15 miles; Pajaro & Santa Cruz RR., 26 miles; San José & Almaden RR., 8 miles.

1 A. C. Bassett.....	*Superintendent*	S. Francisco, Cal.
2 C. J. Robinson. ...	*Auditor*.....	" "
3 H. R. Judah.....	*Ass't. G. P. A.*	" "
4 E. J. Martin	*Ass't. Gen. F. A.*	" "
5 J. T. Murphy.	*Road Master*...	San José, Cal.
6 Judson Rice	*Fm. E'd Carps.*	" "
7 John T. Wilson ..	*Master Mach*..	S. Francisco, Cal.
8 F. N. Bellisle.....	*Mast. Car Bld.*	" "
9 T. J. Urquhart.....	*Train Master*..	Sacramento, Cal.

(a) *Southern Pacific RR. of Cal.*

1 Charles Crocker...	*President*	New York, N. Y.
2 Charles F. Crocker.	*Vice-Pres*.....	S. Francisco, Cal.
3 C. P. Huntington ..	*Agent & Atty*..	New York, N. Y.
4 J. L. Willcutt.....	*Secretary*.....	S. Francisco, Cal.
5 N. T. Smith.....	*Treasurer*.....	" "

(b) *Central Pacific RR.*

1 Leland Stanford...	*President*	S. Francisco, Cal.
2 C. P. Huntington..	*1st Vice-Pres*...	New York, N. Y.
3 Charles Crocker...	*2d Vice-Pres*...	" "
4 C. F. Crocker.....	*3d Vice-Pres*...	S. Francisco, Cal.
5 E. H. Miller, Jr....	*Secretary*.....	" "
6 Timothy Hopkins..	*Treasurer*... ..	" "

For corporate officers of other leased lines, see Poor's "Manual of Railroads."

(C) ATLANTIC SYSTEM, comprising the following lines of road: Galveston, Harrisburg and San Antonio Ry., 936 miles; Texas and New Orleans RR., 208 miles; Louisiana Western RR., 112 miles; Morgan's Louisiana and Texas RR., 283 miles; New York, Texas and Mexican Ry., 92 miles; Gulf, Western Texas and Pacific Ry., 66 miles.

1 J. G. Schriever....	*Traffic Man*...	New Orleans, La
2 J. Kruttschnitt ..	*Ass't. Manag*..	" "
3 J. B. Richardson[3 4 9 10]	*Local Treas*...	" "
4 E. M. Underhill[2 7 8 11]	*Gen. Auditor*..	" "
5 P. L. Queyrouze	*G. S. Lines W. of Lafayette*	Houston, Tex.
6 M. D. Monserrate	*G. S. & W. T. & P. and N. Y. T. & M Rys.*	Victoria, Tex.
7 W. H. Albertson..	*Paymaster*.....	Algiers, La.
8 W. F. Owen	*S. M. L. & T. RR. & Brs.*	" "
9 W. C. Watson.....	*G. P. & Tkt. Ag.*	New Orleans, La
10 C. C. Gibbs. ...	*Gen. Ft. Agt. & Land Com.*	Houston, Tex.
11 J. J. Ryan.....	*Mast. Mech*.....	San Antonio, Tex.
12 D. A. Sullivan ...	*Gen. Bag. Agt.*	Houston, Tex.
13 F. Borge.....	*G. B. A. Lines E. of L'fayette*	New Orleans, La.

14 *Travelling Passenger Agents.*—W. C. Gregory, Cincinnati, O.; G. W. Ely, Montgomery, Ala.; P. Gray Nichols, Galveston, Tex.; C. E. Miner, El Paso, Tex.; W. Choupian, Havana, Cuba; E. H. Stevenson, Montgomery, Ala.

734 Southern Pacific Company—*Continued.*

(a) *Galveston, Harrisburg & San Antonio Ry.*

1 C. P. Huntington .	*President*.....	New York, N. Y.
2 C. C. Gibbs... ...	*V.-P. & L. Com*	Houston, Tex.
3 A. C. Hutchinson	*Gen. Manager*.	New Orleans, La.
4 J. G. Schriever....	*Traffic Man*...	" "
5 J. Kruttschnitt....	*Ass't Manager*.	" "
6 C. Babbidge	*Tr., A. & A. Sec.*	Boston, Mass.
7 J. E. Fisher.....	*Au., S. & As. Tr.*	New Orleans, La.
8 J. B. Richardson..	*Local Treas*....	" "
9 W. C. Watson...	*Gen. Pass. Agt.*	" "
10 George W. Polk...	*As. Land Com.*	" "
11 R. S. Spofford....	*Counsel*	Boston, Mass.
12 E. P. Hill.....	*Attorney*	Houston, Tex.
13 J. S. Dunlay.....	*Mast. of Tran.*	" "
14 J. C. Buchanan ...	*Sup. La. Div*..	" "
15 W. G. Van Vleck .	*S. San Ant. Dv.*	San Antonio, Tex.
16 J. J. Ryan.....	*Gen. Mas. Mech.*	" "
17 I. R. Cade	*Fm. Car Shops*	Harrisburg, Tex.
18 J. J. E. Lindburg.	*S. El Paso Div*	El Paso, Tex.

(b) *Gulf, Western Texas & Pacific Ry.*

1 M. D. Monserrate.	*Pres. & S*.....	Cuero, Tex.
2 F. S. Stockdale...	*V.-P. & Atty*..	" "
3 A. C. Hutchinson.	*Gen. Manager*.	New Orleans, La.
4 J. G. Schriever...	*Traffic Man* ..	" "
5 J. Kruttschnitt....	*Ass't Manager*.	" "
6 J. B. Richardson..	*Treasurer*.....	" "
7 D. C. Proctor....	*Secretary*.....	Cuero, Tex.
8 M. D. Monserrate.	*Gen. Supt*.....	" "
9 James Beaumont .	*Road Master*...	" "
10 W. C. Watson	*Gen. Pass. Agt.*	New Orleans, La.
11 James Mooney...	*Master Mech*...	Cuero, Tex.
12 J. E. Fisher.....	*Auditor*.....	New Orleans, La.

(c) *Morgan's Louisiana and Texas RR.*

1 A. C. Hutchinson..	*President*.....	New Orleans, La.
2 J. G. Schriever ..	*V.-P. & Traf. M.*	" "
3 J. B. Richardson..	*Sec. & Treas*...	" "
4 I. E. Gates.... ..	*Asst. Secretary*	New York, N. Y.
5 J. Kruttschnitt.. .	*Asst. Manager*.	New Orleans, La.
6 W. C. Watson	*Gen. Pass. Agt.*	" "
7 J. M. Dunlap. ...	*Train Master*..	" "
8 F. Borge.....	*Gen. Bag. Agt.*	" "
9 C. Trumpy	*Purch. Agent* .	" "
10 W. F. Owen.....	*Superintendent*	Algiers, La.
11 James D. Connell.	*Mast. Mech*....	" "
12 H. Frint.....	*Div. Mech*.....	Lafayette, Ala.
13 R. L. Herbert	*For. Loco. Rep.*	Algiers, La.
14 J. Hildebrand.....	*Mast. Car Bdr.*	" "
15 William O'Brien..	*For. Car Rep*...	" "
16 C. M. Smith..... ..	*Mast. Car Ptr.*	" "
17 Charles Mallard...	*Road Master*...	New Orleans, La.
18 J. T. Dowell.....	*Road Master*...	Lafayette, La.

(d) *New York, Texas and Mexican Ry.*

1 A. C. Hutchinson	*Pres. & G. M*..	New Orleans, La.
2 M. D. Monserrate.	*Vice-President*.	Cuero, Tex.
3 C. Proctor..... ...	*Treasurer*	Victoria, Tex.
4 C. S. Wells.....	*Secretary*.....	" "
5 J. Kruttschnitt....	*General Supt*..	New Orleans, La.
6 J. G. Schreiver....	*Traffic Man*....	" "
7 W. C. Watson.....	*G. Pass. Agent*	" "
8 L. S. Daniel.....	*Train Master*..	Victoria, Tex.
9 James Mooney....	*Master Mech*. .	Cuero, Tex.
10 James Beaumont..	*Road Master*...	Victoria, Tex.

(e) *Sabine and East Texas RR.*

1 I. E. Gates.....	*President*.....	New York, N. Y.
2 E. P. Hill..... .	*Vice-President*.	Houston, Tex.
3 W. C. Averill.....	*Treasurer*	Beaumont, Tex.
4 Wm. Mahl.....	*Sec. & Treas* ..	New York, N. Y.
5 W. N. Shaw..... ..	*Asst. Secy*.....	Houston, Tex.
6 A. C. Hutchinson.	*Gen. Manager*.	New Orleans, La.
7 J. Kruttschnitt.. .	*Asst. Manager*.	" "
8 J. G. Schriever....	*Traffic Man*....	" "
9 W. C. Watson	*Gen. Pass. Agt.*	" "
10 J. B. Richardson..	*Local Treas*....	" "
11 C. C. Gibbs.	*L. C. & G. F. A.*	Houston, Tex.
12 G. W. Polk... ...	*As. Land Com.*	" "
13 J. C. Buchanan.. .	*Superintendent*	" "
14 J. S. Dunlay.....	*Mast. Transp*..	" "

☞ *See note of explanation on first page.*

Phœnix Iron Works,

CLEVELAND, OHIO.

HAND AND POWER CRANES,

For Forges, Pipe Founders, Rolling Mills, Wire Works, Foundries, Machine Shops, Docks, etc.

ALSO,

LOCOMOTIVE AND PIVOT CRANES,

Derricks, and Overhead Travelling Cranes.

☞ *Send for catalogue and prices.*

PENNSYLVANIA BOLT & NUT CO.

Lebanon, Pa.,

MANUFACTURERS OF

MACHINE BOLTS,

Track Bolts, Washers,
Log-Screws and Skein-Screws,
Boiler and Bridge Rivets.

Hot Pressed Nuts with Reamed Holes,

CHAMFERED, TRIMMED AND REAMED NUTS,

AND

REFINED BAR IRON.

☞ *Send for catalogue and prices.*

734 Southern Pacific Company—*Sabine and East Texas RR.—Continued.*

15 J. J. Ryan	*Master Mech.*	Houston, Tex.
16 M. C. Whalen	*Road Master*	Beaumont, Tex.

(f) Texas and New Orleans Ry.

1 C. P. Huntington	*President*	New York, N. Y.
2 E. P. Hill	*Vice-President.*	Houston, Tex.
3 I. E. Gates	*Asst. Tr. & Sec.*	New York, N. Y.
4 P. L. Queyrouze	*Treas. & Aud.*	Houston, Tex.
5 W. N. Shaw	*Asst. Secretary.*	" "
6 A. C. Hutchinson	*Gen. Manager.*	New Orleans, La.
7 J. Kruttschnitt	*Asst. Manager.*	" "
8 J. G. Schriever	*Traffic Man.*	" "
9 W. C. Watson	*Gen. Pass. Agt.*	" "
10 J. B. Richardson	*Local Treas.*	" "
11 C. C. Gibbs	*L.C. & G.F.A.*	Houston, Tex.
12 G. W. Polk	*Asst. Land C.*	" "
13 J. C. Buchanan	*Superintendent*	" "
14 J. S. Dunlay	*Mast. Transp.*	" "
15 J. J. Ryan	*Master Mech.*	" "
16 John Grogan	*Road Master*	" "

General office (S. P. Co.), San Francisco, Cal.

735 South Carolina Ry.—Charleston to Augusta, 137 miles; branches, 109 miles.

1 Henry P. Talmadge	*President*	New York, N. Y.
2 Jas. J. Higginson	*Vice-President.*	" "
3 Gaston Hardy[2 4 9] *	*Treasurer*	Charleston, S. C.
4 W. T. Minor	*Sec. & Asst. T.*	New York, N. Y.
5 J. B. Peck	*Gen. Manager.*	Charleston, S. C.
6 D. C. Allen[2]	*G. P. & T. A.*	" "
7 S. B. Pickens[6]	*Gen. Fyt. Agt.*	" "
8 A. De Caradenc	*Chief Engineer*	" "
9 L. C. Hendricks	*Auditor*	" "
10 C. N. Wells	*Gen. Bag. Agt.*	" "
11 P. J. Cochrane	*Mas. of Mach.*	" "
12 G. H. Gramling	*Mas. Car Rps.*	" "
13 J. H. Averill[7 8 11]	*Mas. of Trans.*	" "
14 James Trumbull	*Road Master*	" "
15 W. H. Rhett	*Gen. Agent*	New York, N. Y.
16 A. D. W. Sampson	*N. Eng. Agent.*	Boston, Mass.

See also Georgia Associated Traffic Lines.

General office, Charleston, S. C. Transfer office, Farmers' L. & T. Co., New York, N. Y.

736 South Eastern Ry.—West Farnham to Richford, 44 miles; branches and leased lines, 171 miles; Montreal, Portland and Boston Ry., 45 miles.

1 Duncan McIntyre	*President*	Montreal, Que.
2 A. B. Chaffee[2 4] †	*Treasurer*	" "
3 T. A. Mackinnon[1]	*Gen. Manager*	" "
4 Hugh Macdiarmid	*Superintendent*	Richford, Vt.
5 Philip O. Ryan[2 7 8]	*Auditor*	Montreal, Que.
6 G. Shanks	*Gen. Rd. Mas.*	Sutton, Que.
7 A. G. Eastman	*Mech. Supt*	Montreal, Que.
8 A. E. Lalande	*Trav. Pass. Ag.*	" "
9 Wm. Craig	*Div. Rd. Mas.*	Farnham, Que.
10 Wm. Houston	*Div. Rd. Mas.*	" "
11 William Moe	*Div. Rd. Mas.*	" "
12 R. McLeod	*Master Mech.*	" "
13 G. S. Mackinnon	*Loco. Foreman.*	" "
14 John Siles	*Shop Foreman.*	" "
15 E. Finn	*Blksmth. For.*	" "
16 H. Impey, Sr.	*Carpenter For.*	" "
17 S. B. Horton	*Pntrs. For.*	" "
18 W. Sturgeon	*Yard Master*	" "
19 C. Cummings	*Foreman*	Richford Que.

General office, 202 St. James St, Montreal, Que.

737 Southfield Branch RR.—Southfields to Southfield Furnace, 1 mile.

1 A. W. Humphreys	*President*	New York, N. Y.
2 Louis C. Clark	*Treasurer*	" "
3 James M. Scofield	*Secretary*	" "
4 J. S. Ford	*Superintendent*	Southfields, N.Y.

General office, 45 William St., New York, N. Y.

738 South Florida RR.

See Plant Investment Company.

739 South Manchester RR.—South Manchester to North Manchester, 2 miles.

1 F. W. Cheney	*President*	S. Manchester, Ct.
2 Richard O. Cheney	*Sec. & Gen. M.*	" "
3 Chas. S. Cheney[7 8] †	*T. & G. F. A.*	" "

740 South Mountain Ry.—Carlisle to Pine Grove Furnace, 18 miles.

1 J. C. Fuller	*President*	Pine Grove F., Pa
2 W. H. Woodward	*S., T., Gen. S.*	Carlisle, Pa.
3 A. E. Lehman	*Chief Engineer*	" "
4 J. H. Norton	*Road Master*	" "
5 C. Fuller	*Mas. Car Rps.*	" "

741 South Pacific Coast RR.—Newark to Junction, Cal., 45 miles; leased lines, 31 miles.

1 James G. Fair	*President*	San Francisco, C.
2 A. E. Davis	*V.-P. & G. M.*	" "
3 Chas. S. Neal	*Secretary*	" "
4 V. W. Gaskill	*A., Pay. & P. A.*	" "
5 L. Fillmore	*Gen. Supt*	" "
6 W. F. Fitzgerald	*G. F. & P. A.*	" "

General office, San Francisco, Cal.

742 South-Western Ry. (Kentucky).—Harrodsburg to Harrodsburg Junction, 5 miles.

1 M. Tabler	*Lessee & G. M.*	Harrodsburg, Ky.
2 Thomas C. Bell	*President.*	" "
3 D. J. Curry	*Vice-President.*	" "
4 A. B. Bonta	*Treasurer*	" "
5 J. M. Tebbetts	*Secretary*	" "
6 M. Tabler	*Superintendent*	" "
7 J. C. Hooe[6]	*G. F. & P. A.*	" "
8 W. C. Rue	*Mast. Transp.*	" "
9 J. A. Ellis	*Chief Engineer*	" "
10 Thomas Chalk	*Road Master*	" "

General office, Harrodsburg, Ky.

743 Springville and Sardinia RR.—Springville to Sardinia, 12 miles.

1 B. Chaffee[5]	*Pres. & G. M.*	Springville, N. Y.
2 James Hopkins	*Vice-President*	Sardinia, N. Y.
3 L. M. Cummings	*Secretary*	Springville, N. Y.
4 A. L. Vaughan	*Treasurer*	" "
5 W. W. French	*Auditor*	" "

General office, Springville, N. Y.

744 Staten Island Rapid Transit RR.—Clifton to Erastina, 6.5 miles; Staten Island Ry., 13 miles.

1 J. Frank Emmons	*President*	New York, N. Y.
2 Thomas M. King	*Vice-President.*	Baltimore, Md.
3 W. H. Ijams	*Treasurer*	" "
4 Edward Curry	*Asst. Treas.*	New York, N. Y.
5 William Keutgen	*Secretary*	" "
6 Frank S. Gannon	*General Supt*	" "
7 Chas. Ackenheil	*Chief Engineer*	Elizabeth, N. J.
8 W. O. Spriggs	*Mast. Transp.*	St. George, S. I.
9 W. H. Lewis	*Purch. Agent.*	New York, N. Y.
10 R. W. Pollock	*Gen. Traf. Agt*	" "
11 A. Braisted	*Supt. of Ferries*	" "

General office, foot of Whitehall St., New York, N. Y. Locomotive and Car Repair Shops at Tottenville, N. Y.

745 Sterling Mountain Ry.—Sterlington to Lakeville, 8 miles.

1 A. W. Humphreys[5]	*P., G. M. & A.*	New York, N. Y
2 L. C. Clark[3 4]	*Treasurer*	" "
3 J. M. Scofield	*Secretary*	" "
4 E. B. Wilson[1 2]	*S.C.E.G.F.&P.A.*	" "

Locomotive and Car Repair Shops at Sterlington.

746 Stewartstown RR.—New Freedom to Stewartstown, 7 miles.

1 James Fulton[5]	*Pres. & G. M.*	Stewartstown, Pa
2 Joseph W. Anderson	*Vice-President.*	" "
3 A. Anderson[3 4 10]	*Treasurer*[9]	" "
4 John B. Gemmill[1 6 11]	*Sec. & Gen. Sup*	" "
5 W. W. Stewart	*Chief Engineer*	York Springs, Pa.
6 A. G. Bowman[2 8]	*Gen. T. & F. A*	Stewartstown, Pa.
7 Jesse B. Kennedy	*Rd. M. & Su. Br*	Shrewsbury, Pa.
8 James M. Hendrix	*Auditor*	Stewartstown, Pa.

General office, Stewartstown, Pa.

☞ *See note of explanation on first page.*

Jones' Patent Tram Car Wheels

SOMETHING ENTIRELY NEW.

The Axle is SQUARE and does not revolve, consequently never wears out.

The Bush, which the wheel revolves upon, is round, with a square hole in the center.

The Bush has an Oil Cup, which is always on top.

The Car Wheel is chilled on the thread and center, which causes the wear to be on the Bush, which is of soft iron. When a Bush wears out it can be replaced by a laborer in a few minutes.

The adoption of these improvements will save at least one-third expense in Car Repairs.

This patent is not for sale; but proper parties in the different sections of country will be licensed, at reasonable Royalty, to manufacture and furnish the improvements to Coal and Iron Ore Operators, Stone Quarrymen, Railroad Contractors, Lumbermen, and all parties who use Tram Cars or Pole Roads.

For further information address

EXCELSIOR FOUNDRY AND MACHINE WORKS,

BIRMINGHAM, ALABAMA. *Works, Avondale.*

MANUFACTURERS OF

Iron Fronts, Ornamental Fencing, Tram Cars, Castings and Forgings.

MACHINERY, MILL AND MINE JOBBING PROMPTLY ATTENDED TO.

E. R. JONES, President. P. SCHLUSSER, Vice-President. H. HOUPT, Sec'y and Treas.

DIXIE POWDER CO.,

MANUFACTURERS OF

CRITERION DYNAMITE.

QUALITY GUARANTEED EQUAL TO ANY MADE IN THE UNITED STATES.

WRITE FOR PRICES.

DIXIE POWDER CO.,

CHATTANOOGA, TENN.

747 Stony Clove and Catskill Mountain RR.—Phœnicia to Hunter, 14 miles.

1 S. D. Coykendall[6]	*P. & Transf. A.*	Rondout, N. Y.
2 George Coykendall[6]	*V.-P. & G. S.*	" "
3 John C. Romeyn	*Secretary*	" "
4 Samuel Coles[3 6]	*Treasurer*	" "
5 George Coykendall[2]	*G. T. & F. A.*	" "
6 O. L. Eastman[7 11]	*Auditor*	" "

748 Stony Creek RR.

See Philadelphia and Reading RR.

749 Strasburg RR.

1 T. & M. Baumgardner	*Owners*	Lancaster, Pa.
2 I. Phenegar	*Lessee*	Strasburg, Pa.

750 Suburban Rapid Transit Company.—Owner of line from junction of Second Av. and 129th St. across Harlem River to 143d St. (Extension now in course of construction.)

1 Samuel R. Filley	*President*	New York, N. Y.
2 L. R. Pomeroy	*Sec. & Treas.*	" "
3 J. J. R. Croes	*Chief Engineer*	" "
4 E. B. Wetmore	*Superintendent*	" "

General office, 40 and 42 Wall St., New York City.

751 Suffolk and Carolina RR.—Suffolk to Chawan River, 34 miles. Completed, 22 miles, and branch, 3 miles. Built and owned by Suffolk Lumber Co.

752 Suffolk Lumber Co.'s RR.—Suffolk to Terminus, 15 miles; from Winton, N. C., 25 miles; branches, 10 miles—total, 35 miles.

1 W. H. Jackson	*President*	Salisbury, Md.
2 E. E. Jackson	*Sec. & Treas.*	" "
3 W. M. Whaley	*Gen. Manager*	Suffolk, Va.

General office, Salisbury, Md.

753 Summit Branch RR.

See Pennsylvania Company.

754 Swainsboro RR.—Midville to Swainsboro, 21 miles.

1 J. Thompson & Co.	*Proprietors*	Augusta, Ga.

755 Sylvania RR.

See Central RR. of Georgia.

756 Syracuse and Baldwinsville RR.—Syracuse to Baldwinsville, 13 miles.

1 J. T. Skinner	*President*	Syracuse, N. Y.
2 Wallace Tappan	*Vice-President*	" "
3 P. K. Green	*Treasurer*	" "
4 W. W. Downer	*Secretary*	" "
5 Alex. Hamill	*Manager*	" "

757 Syracuse, Geneva and Corning RR.

See Fall Brook Coal Co.

758 Syracuse, Ontario and New York RR.—Syracuse to Earlville, 45 miles.

1 Ashbel Green	*President*	New York, N. Y.
2 Joseph P. Ord[3 9]	*Sec. & Treas.*	" "
3 Albert Allen[1 2 5 6 7 8 11]	*V., G. F. & T. A.*	Syracuse, N. Y.
4 J. J. Farrell	*Auditor*	" "
5 Edward Sawyer	*Mast. Mech.*	" "
6 Thos. Baigrie, Sr.	*Road Mast.*	" "

General office, 5 Vanderbilt Ave., New York, N. Y.

759 Talbotton RR.—Talbotton to Bostick, 7 miles.

1 S. W. Thornton	*President*	Talbotton, Ga.
2 W. H. Martin	*Sec., T. & Supt.*	" "
3 J. H. Dennis	*G. Tk. & Ft. A.*	" "

760 Talladega and Coosa Valley RR.—Talladega to Stemley, 15 miles.

1 D. W. Rogers	*President*	Renfroe, Ala.
2 W. H. Scriggs	*Secretary*	Talladega, Ala.
3 R. H. Isbell	*Treasurer*	" "
4 D. M. Rogers	*Gen. Manager*	Renfroe, Ala.
5 R. S. Patillo	*Gen. Fgt. Agt.*	" "
6 P. W. Goodwin	*Chief Engineer*	" "
7 S. G. Burdett	*For. Rep. Shop*	" "
8 Nelson Young	*For. Rep. Yard*	" "

General office, Renfroe, Ala.

761 Tennessee Coal RR.—Now leased to Nashville, Chattanooga and St. Louis RR.

762 Tavares, Orlando and Atlantic RR.—Tavares to Orlando, 34 miles.

1 John A. Henderson	*President*	Orlando, Fla.
2 Charles Joy	*Vice-President*	" "
3 T. M. T. McKennan	*Gen. Manager*	" "
4 C. B. Duke	*Secretary*	" "
5 Nat. Poyntz	*Treasurer*	" "
6 C. A. Baird	*Gen. F. & P. A.*	" "

763 Tennessee Central RR.—Spring City to Jewett, 12 miles. (Late Tenn. and Sequatchie Valley.)

1 Charles Clinton	*President*	Spring City, Tenn.
2 E. D. Albro	*Vice-President*	Cincinnati, O.
3 P. V. Mooney	*Sec. & Treas.*	Spring City, Tenn
4 C. E. Sampson	*Master Mech.*	" "

General office, Spring City, Tenn.

764 Tennessee and Coosa RR.—Gadsden to Britton, 11 miles.

1 Louis Wyeth	*President*	Guntersville, Ala.
2 Hugh Carlisle	*Gen. Manager*	Gadsden, Ala.
3 S. K. Rayburn	*Land. A. & Sec.*	Guntersville, Ala.
4 J. A. Wyeth	*Financial Agt.*	New York, N. Y.
5 W. E. Knox	*Sup. F. & P. Agt*	Attalla, Ala.

765 Tennessee and Ohio Ry.

1 H. M. Aiken[1 2 3 4 5]	*Pres. & G. M.*	Rogersville, Tenn
2 James Cooper[6 7 8]	*Sec. & Treas.*	" "
3 Joseph Helton	*Superintendent*	" "
4 Hugh Murray[11]	*G. F. & Pass. A.*	" "
5 William Price	*Road Master*	" "

766 Terre Haute and Indianapolis RR.

See Vandalia Line.

767 Terre Haute and Peoria Ry.—Terre Haute to Peoria, 173 miles. (Formerly Illinois Midland Ry.)

1 C. W. Fairbanks	*President*	Decatur, Ill.
2 D. H. Conklin	*V.-Pres. & Tre.*	" "
3 Andrew Stevens	*Sec. & G Tkt Agt*	" "
4 O. E. Grady	*Mast. of Trans*	" "
5 Walter M. Strange	*Auditor*	" "
6 Peter Ford	*Road Master*	" "
7 Frank Young	*Fmn. Shops*	Paris, Ill.

General office, Decatur, Ill.

768 Terre Haute and South-Eastern RR.

See Evansville and Indianapolis RR.

769 Texas Central Ry.

See Houston and Texas Central RR.

770 Texas and New Orleans RR.

See Southern Pacific Company.

771 Texas and Pacific Ry.—Goldsboro, La., to El Paso, Tex., 1,162 miles; with branches, 325 miles.

1 L. A. Sheldon	*Receivers*	New Orleans, La.
2 John C. Brown	*Receivers*	Dallas, Tex.
3 Jay Gould	*President*	New York, N. Y.
4 John C. Brown	*1st V.-President*	St. Louis, Mo.
5 Geo. J. Gould	*2d V.-President*	New York, N. Y.
6 John S. Wilkes	*Tr. of Receivers*	Dallas, Tex.
7 C. E. Satterlee	*Secretary*	New York, N. Y.
8 W. H. Abrams	*L. C. & A. Sec.*	Dallas, Tex.
9 A. A. Egbert	*G. S. of Recvrs.*	" "
10 Frank Trumbull	*Aud. of Recvrs.*	" "
11 Jacob Johann	*Sup. Mot. Pow.*	" "
12 John A. Grant	*Gen. Manager*	" "
13 L. S. Thorne	*Supt. Transp.*	" "
14 B. W. McCullough	*G. P. & T. A.*	" "
15 W. W. Finley	*Gen. Fgt. Agt.*	" "
16 E. A. Garvey	*Chief Engineer*	" "
17 N. B. Sherwin	*Purch. Agent*	" "
18 W. J. Taylor	*Gen. Bag. Agt.*	Marshall, Tex.
19 A. H. Watts	*Master Mech.*	" "
20 J. W. Addis	*Master Mech.*	Goldsboro, La.
21 J. J. Kerten	*Actg. Div. Supt.*	Marshall, Tex.
22 E. R. Smith	*Div. M. Mech.*	New Orleans, La.
23 A. H. Douglass	*Div. M. Mech.*	Big Springs, Tex.
24 L. L. Keller	*Div. Supt.*	" "

☞ *See note of explanation on first page.*

Hildreth Varnish Co.,

SUPERFINE

Railroad Varnishes.

178 BROADWAY,

NEW YORK.

BONNELL'S

Nubian Iron Enamel.

A Very Elastic, Glossy Black, Odorless Coating

For Locomotives, Smoke Stacks, Car Truss Rods, Hand Rails, Car Wheels, Boiler Fronts, Steam Pipes, and all Kinds of Iron Work.

MANUFACTURED BY

The Nubian Iron Enamel Co.,

207 SOUTH CANAL ST.,

CHICAGO, ILL.

J. MACCORMACK,

Albany Bridge and Iron Works,

CONTRACTOR AND BUILDER.

Bridges, Trestles, Turn-Tables and Riveted Girders,

Roofs and Ornamental Iron Work.

Old Stone Mill, ALBANY, N. Y.

771 Texas and Pacific Ry.—*Continued.*

25 J. L. Griffin	*Actg. Div. Supt.*	Texarkana, Tex.
26 J. H. Redmon	*Div. Supt.*	Marshall, Tex.
27 T. W. Anderson	*T. Mas. R. G. D.*	Big Springs, Tex.
28 J. H. Redmon	*Train Master*	Marshall, Tex.
29 J. W. Clawson	*Train Master*	" "
30 E. G. Mower	*Train Master*	Fort Worth, Tex.
31 H. S. Murff	*Mast. Car Pain.*	Marshall, Tex.
32 F. M. Alexander	*G. F. Car Shops.*	" "
33 D. E. Grove	*Road Master*	" "
34 H. McDonough	*Road Master*	" "

35 *General and Travelling Agents*—H. B. Smith, Pac. Coast Agt., H. C. Logan, Pac. Coast Fgt. Agt., San Francisco, Cal.; L. A. Emerson, Gen. En. Agt., W. E. E. Hoyt, En. Pass. Agt., J. P. McCann, Trav. Pass. Agt., New York, N.Y.; A. H. Torricelli, New Eng. Agt., E. M. Newbegin, N. E. Trav. Agt., Boston, Mass.; S. H. Thompson, Cent. Pass. Agt., Robert Simpson, Com. Fgt. Agt., Pittsburgh, Pa.; N. R. Warwick, Dist. Pass. Agt., Cincinnati, O.; Coke Alexander, Dist. Pass. Agt., Indianapolis, Ind.; Frank Ferris, Com. Fgt. Agt., John E. Ennis, Trav. Pass. & Land Agt., J. B. Frawley, Trav. Pass. Agt., Chicago, Ill.; M. P. Walsh, Jr., Com. Agt., Cairo, Ill.; W. H. Morton, Emig. Agt., St. Louis, Mo.; L. E. Drake, Sthn. Trav. Agt., Louisville, Ky.; A. A. Gallagher, Sthn. Pass. Agt., Chattanooga, Tenn.; N. M. Carter, Trav. F. & P. A., Montgomery, Ala.; E. H. Hinton, Com. Fgt. Agt., New Orleans, La.; J. H. Miller, Trav. P. A., Dallas, Tex.; P. J. Crosbie, Trav. P. & F. A., El Paso, Tex.

Executive office, Dallas, Tex. General office, 195 Broadway, New York, N. Y.

772 Texas, Santa Fé and Northern RR.—Santa Fé to Espanola, 38 miles.

1 L. M. Melly	*President*	Santa Fé, N. M.
2 B. Seligman	*Vice-President.*	" "
3 John Symington	*Secretary*	" "
4 L. M. Schwan	*As. Sec. & Treas.*	" "
5 F. G. Nelson	*Auditor*	" "
6 M. P. Foody	*Superintendent*	" "

773 Texas Trunk RR.—Dallas to Cedar, 51 miles.

1 John L. Henry	*President*	Dallas, Tex.
2 Jules E Schneider	*Vice-President.*	" "
3 W. G. Mowry	*Tr. & G. Man.*	New York, N. Y.
4 William Gleason	*Sec. & Aud*	Dallas, Tex.
5 H. R. Irvine[5]	*G. S., F. & P. A.*	" "

General office, Dallas, Tex.

774 Texas Western Ry.—Houston to Sealey, 54 miles.

1 Geo. C. Smith	*Receiver*	Houston, Tex.
2 John W. Smith	*Gen. Manager*	" "
3 S. Packard	*Aud. & G. Fgt. A*	" "

General office, Houston, Tex.

775 Thousand Islands Ry.

See Napanee, Tamworth and Quebec Ry.

776 Tioga Railroad.

See New York, Lake Erie and Western RR.

777 Tionesta Valley RR.—Sheffield to Sheffield Junction, 18 miles; James Mill Branch, 6 miles; leased lines, 20 miles.

1 Walter Horton	*President*	Sheffield, Pa.
2 Webb Horton	*Vice-President.*	Middletown, N.Y.
3 Charles Sigel	*Treas. & Aud.*	Sheffield, Pa.
4 Jerry Crary	*Sec. & Gen. Supt*	" "
5 Isaac Horton	*Gen. Manager.*	" "
6 George Horton	*G. Pass. & F. A.*	" "
7 Lane B. Schofield	*Division Supt.*	" "

General office, Sheffield, Pa.

778 Toledo, Ann Arbor and North Michigan Ry.—Toledo, O., to Mt. Pleasant, Mich., 171 miles; with branches, 43 miles.

1 James M. Ashley	*Pres. & G Man.*	Toledo, O.
2 A. W. Wright	*Vice-President.*	Saginaw C'y, Mich
3 H. W. Ashley, Jr.	*2d Vice-Pres. & G. M.*	Toledo, O.
4 C. F. Cook	*Secretary*	" "

778 Toledo, Ann Arbor and North Michigan Ry.—*Continued.*

5 D. M. Monjo[2 7 8]	*Actg. Auditor*	Toledo, O.
6 B. F. Jervis[2 4 9 10]	*Treasurer*	" "
7 W. H. Bennett[1 6]	*G. Ft. & Pass A*	" "
8 J. B. Conners[11]	*Mast. Transp.*	" "
9 C. C. Dodge	*Fmn. Rep. S.*	" "
10 G. L. Davis	*Road Master*	" "
11 Henry Smith	*Supt. B. & B.*	E. Milan P.O., Mch

General office, Toledo, O.

779 Toledo, Columbus and Southern Ry.—Toledo to Findlay, 41 miles.

1 T. P. Brown	*Pres. & G. Man.*	Toledo, O.
2 W. J. Walker	*Vice-President.*	" "
3 A. W. Scott	*Sec. & Treas.*	" "
4 John H. Doyle	*Gen. Counsel*	" "
5 H. E. Pitcher[1 2 6]	*G. F. & P. Agt.*	" "
6 W. Houk[2 4 7 8 9 10 11]	*Aud Cash. & CA*	" "
7 W. W. Harring	*Superintendent*	Bowling Green, O.

General office, Toledo, O. Repair Shops at Toledo, O.

780 Toledo and Ohio Central Ry.—Total mileage, 214 miles. (For details, see Poor's "Manual of Railroads.")

1 S. Burke	*President*	Cleveland, O.
2 C. J. Canda	*Vice-President.*	New York, N. Y.
3 J. F. Cline[2 4 9 10]	*Sec. & Treas.*	Toledo, O.
4 J. M. Ferris[5]	*Gen. Manager.*	" "
5 John Landgraf, Jr.	*Auditor*	" "
6 A. W. Scott	*Gen. Counsel*	" "
7 T. M. Peelar	*Superintendent*	Bucyrus, O.
8 Hudson Fitch	*G. Ft. & Pass. A.*	Toledo, O.
9 M. C. Trout[7 8 11]	*Car Account't*	" "
10 C. Buxton	*Chief Engineer*	" "
11 G. R. Campbell	*Road Master.*	Bucyrus, O.
12 J. O'Donnell	*Asst. Road M.*	Corning, O.
13 J. B. Morgan	*Master Mech.*	Bucyrus, O.
14 H. B. Cunningham	*Fmn. Rep. S*	Corning, O.
15 T. R. Cook	*Fmn. Rep. S*	Toledo, O.

General office, Toledo, O.

781 Toledo, Peoria and Western RR.—Indiana State Line to Warsaw, 227 miles; with branch, 20 miles.

1 E. F Leonard	*Manager*	Peoria, Ill.
2 E N. Armstrong[7 8 11]	*Gen. Supt.*	" "
3 H. D. Gould	*G. Ft. & Pass A.*	" "
4 W. W. Kent	*Asst. G. P. A.*	" "
5 E. D. Usher[2 3 9 9]	*Auditor*	" "
6 B. Warren[5]	*Master Mech.*	" "
7 J. Q. Mason	*Supt. Teleg. & Ch. Disp*	" "

General office, Peoria, Ill. Locomotive and Car Repair Shops at Peoria, Ill.

782 Toledo, St. Louis and Kansas City RR.—Toledo to E. St. Louis, 450 miles.

1 J. M. Quigley	*President*	New York, N. Y.
2 Geo. L. Bradbury	*Vice-President.*	Peoria, Ill.,
3 W. H. Petibone	*G. S. & Pur. A.*	Toledo, O.
4 Isaac W. White	*Sec. & Treas.*	" "
5 M. L. Crowell	*Cash. & Paym.*	" "
6 E. O. Reed	*Actg. Auditor*	" "
7 C. C. Jenkins[2 6]	*G. Ft. & Pas. A.*	" "
8 B. S. McLeod	*Supt. St. L. Div.*	Frankfort, Ind.
9 J. O. Osgood	*C. E & S. T. D.*	Toledo, O.
10 Neil McKinnon	*Supt. Teleg.*	" "
11 T. Robertson	*Master Mech.*	Delphos, O.
12 J. S. Weirs	*Fmn. Car Rep.*	" "

13 *Road Masters.*—J. Smith, Delphos, O.; T. J. Madigan, Charleston, Ill.

General office, Toledo, O.

783 Toledo and South Haven RR.

See Paw Paw RR.

784 Tonawanda Valley and Cuba RR.—Attica to Cuba, 59 miles. In operation from Attica to Sandusky, 30 miles. Operations suspended on rest of line.

1 B. W. Spencer	*Receiver & Mgr.*	New York, N.Y.
2 B. W. Humphrey	*Superintendent.*	Attica, N. Y.

General office, 61 Broadway, New York, N. Y.

☞ *See note of explanation on first page.*

VERONA TOOL WORKS

SPECIALTY,

The Verona Nut Lock

AND THE

STANDARD

SOLID STEEL, SOLID EYE,

PICK.

Address

METCALF, PAUL & CO.,

Cor. Liberty St. & Seventh Ave.,

PITTSBURGH, PA.

Branch Office—No. 22 West Lake St., Chicago, Ill.

C. Y. WHEELER, Chairman. WM. P. DE ARMIT, Sec. and Treas.

STERLING

STEEL CO., Limited.

FINE

Crucible Tool Steels

ONLY.

BRANCH OFFICE,

No. 41 Fifth Avenue,

PITTSBURGH.

WORKS AT DEMMLER.

DETROIT

Steel & Spring Works,

MANUFACTURERS OF

CRUCIBLE

Cast Steel.

Special Steel for Turning Tools, Taps, Dies, and Track Chisels.

Railway Car and Locomotive Elliptic & Spiral Springs.

DETROIT, MICH.

ALEX. DE LANO, Pres't. CHAS. P. CHOATE, Vice-Pres't.

H. R. NEWBERRY, Secretary.

Otis Iron & Steel Co.,

MANUFACTURERS OF

CAST STEEL.

BOILER,

Fire Box and Tank Plates.

STEEL DRIVING,

Truck, Tender, Car Axles and Forgings.

CLEVELAND, OHIO.

785 Troy and Boston RR.—Troy to Vermont State Line, 35 miles; leased lines, 11 miles.

1 Daniel Robinson..	*President & P A*	Troy, N. Y.
2 J. H. Parsons.....	*Vice-President.*	" "
3 J. E. Merrill[3 4 9 10]	*Treasurer.....*	" "
4 S. M. Vail.....	*Secretary.....*	" "
5 Joseph Crandell[78]	*Supt. G. F. A..*	" "
6 C. A. Nimmo[2].....	*G. P. & T. A.*	" "
7 S. L. Robinson....	*Road Master...*	" "
8 Zera B. Davis.....	*Mast. Mech....*	" "
9 A. Brewer.....	*M. C. B. & S. B.*	" "
10 C. H. Hubbell.....	*Aud. & P'g A.*	" "
11 J. S. Lineham. ...	*G. Bag Agent..*	" "

786 Troy and Greenfield RR. and Hoosac Tunnel.

See Fitchburg Railroad.

787 Tuckerton Railroad.—Whiting's Station to Tuckerton, 29 miles; Edge Cove Branch, 2 miles.

1 Samuel Ashurst....	*President.....*	Philadelphia, Pa.
2 R. Stuyvesant.....	*Vice-President.*	New York, N. Y.
3 R. Ashurst[2 4 9 10]..	*Treasurer.. ...*	Philadelphia, Pa.
4 T. T. Price.....	*Secretary .....*	Tuckerton, N. J.
5 J. J. Pharo	*Supt. & P'g A.*	" "
6 H. N. Gilson[2 6 7]....	*G. F. & P. A..*	" "
7 W. W. Pharo.. ...	*Auditor .....*	" "

General office, Tuckerton, N. J.

788 Tuskegee Railroad.—Tuskegee to Chehaw, Ala., 5 miles.

1 W. H. Wright ...	*Treas. & Agt.*	Tuskegee, Ala.

789 Ulster and Delaware RR.—Rondout to Hobart, 78 miles.

1 Thomas Cornell....	*President....*	Rondout, N. Y.
2 David Kennedy ...	*Vice-President.*	" "
3 A. Benson[2 4 8 10]	*Sec. & Treas...*	" "
4 J. H. Jones.....	*Gen. Supt.....*	" "
5 N. A. Simms[2 7 8 11]	*G. P. & F. A*	" "
6 A. E. Benson	*S. Tran., M M.*	" "
7 J. H. Decker.....	*M. C. R., S. B. / Road Master*	" "
8 R. B. Jones	*Auditor.....*	" "
9 C. Hotaling.....	*Mast. Car Pnt.*	" "

General office, Rondout, N. Y.

790 Union Railway Co. of Chattanooga, in the city of Chattanooga, 19 miles.

1 C. E. James.....	*President.....*	Chattanooga, Ten
2 D. J. O'Connell[8 11]	*Secretary.....*	" "
3 E. A. Cooper	*Superintendent*	" "

General office, Chattanooga, Tenn.

791 Union Freight Railroad.—Boston and Lowell RR. to Old Colony RR., Mass., 2 miles.

1 Charles F. Choate..	*President.....*	Boston, Mass.
2 B. B. Torrey	*Treasurer.....*	" "
3 A. H. Grovenor ..	*Gen. Supt.....*	" "
4 S. C. Putnam	*Gen. Fgt. Agt..*	" "
5 C. H. Eastman.....	*Road Master...*	" "

General office, Boston, Mass.

792 Union Pacific Ry.

Executive and Treasury Departments.

1 Chas. F. Adams, Jr	*President.....*	Boston, Mass.
2 Thomas J. Potter.	*Vice-President.*	Omaha, Neb.
3 Isaac H. Bromley / 4 Gardiner M. Lane	*Assts. to Pres..*	Boston, Mass.
5 Henry McFarland.	*Sec. & Treas...*	" "
6 Alex. Millar.....	*Asst. Secretary*	" "
7 James G. Harris.	*Asst. Treas. & Trans. Agt.*	" "
8 James M. Ham ...	*Asst. Sec. & Tr*	New York, N. Y.
9 Frank D. Brown[2 4]	*Local Treas... .*	Omaha, Neb.
10 Union Trust Co...	*Transf. Agent.*	New York, N. Y.

Accounting, Law and Land Departments.

11 Oliver W. Mink...	*Controller .....*	Boston, Mass.
12 Erastus Young....	*Auditor.....*	Omaha, Neb.
13 J. W. Griffith	*Ass't. Aud.....*	" "
14 F. D. Brown[9 10]...	*Local Treas....*	" "

792 Union Pacific Ry.—*Accounting, Law and Land Departments—Continued.*

15 D. D. Davis.	*Fgt. Auditor..*	Omaha, Neb.
16 A. S. Van Kuran..	*A. Agts. Accts.*	" "
17 W. S. Wing.... .	*A. Pass. Accts.*	" "
18 E. Buckingham[7 8 11]	*Car Accounta't*	" "
19 D. W. Hitchcock..	*Car Serv. Agt..*	" "
20 Sidney Bartlett ...	*Gen. Counsel ..*	Boston, Mass.
21 John F. Dillon....	*Gen. Solicitor..*	New York, N. Y.
22 A. J. Poppleton. / 23 J. P. Usher. ..	*Gen. Attorneys.*	Omaha, Neb. / Lawrence, Kan.
24 J. J. Burns.....	*Gen. Store Kpr*	Omaha, Neb.
25 G. M. Cumming...	*Gen. Land Com*	" "
26 B. McAllaster.....	*Land Comm...*	" "

Transportation Department.

27 S. R Callaway[5]...	*2d V.-P. & G. M*	Omaha, Neb.
28 G. M. Cumming...	*Ass't. Gen. Mgr.*	" "
29 Thos. L. Kimball...	*Gen. Traf. Mgr.*	" "
30 P. P. Shelby.....	*Ass't. G. T. M.*	S. Lake City, Utah
31 E. Dickinson.....	*Actg. Gen. Supt.*	Denver, Col.
32 J. W. Morse.....	*Gen. Pass. Agt.*	Omaha, Neb.
33 S. B. Jones...	*Ass't G. Pas. A.*	" "
34 D. W. Hitchcock..	*G. W. P. & F. A.*	S. Francisco, Cal.
35 C. S. Stebbins	*Gen. Ticket A.*	Omaha, Neb.
36 O. P. McCarty	*Ass't G. T. A.*	" "
37 A. Travnor.....	*Gen. Bag. Agt.*	Council Bluffs, Ia.
38 J. W. Deal...	*Ass't G. B. A.*	Kansas City, Mo.

39 *General Agents, Passenger and Ticket Departments:* D. E. Cornell, Kansas City, Mo.; George Ady, Denver, Col.; Hoyt Sherman, Jr., Salt Lake City, Utah; C. W. Scott, Butte, Mont.

40 J. A. Munroe	*Gen. Fgt. Agt..*	Omaha, Neb.
41 J. S. Tebbetts	*A. G. Fgt. Agt.*	Kansas City, Mo.
42 W. F. McMillan...	*A. G. Fgt. Agt.*	Omaha, Neb.
43 H. A. Johnson ..	*A. G. Fgt. Agt.*	" "
44 D. B. Keeler.....	*Ass't Gen. Agt.*	Denver, Col.
45 S. C. Nash.....	*Ass't G. F. A.*	S. Lake City, Utah
46 C. W. Scott.....	*Div. Fgt. Agt..*	Butte, Mont.

47 *General Agents, Freight Department:* George J. Needham, Salt Lake City, Utah; George W. Walts, San Francisco, Cal.; E. H. Wood, Chicago, Ill.; J. L. Garner, Pittsburgh, Pa.; George A. Sanderson, Philadelphia, Pa.

48 J. J. Dickey	*Supt. of Tel-g.*	Omaha, Neb.
49 L. H. Korty.....	*Ass't S. of Tel.*	" "
50 F. Knowland.....	*Gen. East. Agt.*	New York, N. Y.
51 W. L. Greene.....	*City Pass. Agt.*	" "
52 M. T. Dennis... ..	*New Eng. Agt.*	Boston, Mass.

53 *Travelling Agents, Freight and Passenger Departments:* J. S. Smith, A. C. Harvey, Boston, Mass.; S. A. Hutchison, Buffalo, N. Y.; T. P. Vaille, Philadelphia, Pa.; C. K. Wilber, F. L. Lynde, Chicago, Ill.; E. R. Tuttle, St. Louis, Mo.; C. S. Blackman, Indianapolis, Ind.; D. E. Burley, Baltimore, Md.; M. Shipman, Montreal, Que.; Ira P. Griswold, Detroit, Mich.; T. C. Hirst, Columbus, O.; W. F. Herman, Cleveland, O.; N. Haight, Louisville, Ky.; N. C. Treat, Quincy, Ill.; J. B. Reese, Kansas City, Mo.; J. B. Holmes, Des Moines, Ia.; D. L. Sturgis, Denver, Col.; J. H. Green, Omaha, Neb.; C. L. Hanna, San Francisco, Cal.; E. G. Patterson, Portland, Ore.; J. J. Fallon, Helena, Mont.; H. J. Rifenberick, Denver, Col.

54 *General Agents, Freight and Passenger Departments:* W. P. Cooley, Philadelphia, Pa., and Buffalo, N.Y.; T. B. Ganlt, Chicago, Ill.; J. F. Aglar, St. Louis, Mo.; J. D. Welsh, Cincinnati, O.; J. S. Wilson, Portland, Ore.; M. J. Greevy, Council Bluffs, Ia.

55 M. J. Greevy.....	*Pass. A. T. D..*	Council Bluffs, Ia.

Roadway and Mechanical Departments.

56 J. Blickensderfer..	*Cons. Eng.....*	Omaha, Neb.
57 V. G. Bogue.....	*Chief Eng.....*	" "
58 Clement Hackney.	*S. M. P. & C. D.*	" "
59 John Wilson	*A. S. M. P. & C. D*	" "
60 E. Lane.....	*Resident Eng..*	" "

Division Officers, Transportation, Roadway and Mechanical Departments.

(*a*) *Nebraska Division;* comprising the Main Line, Council Bluffs to Cheyenne, 520 miles; O. & R. V. Ry.,

☞ *See note of explanation on first page.*

Penn Bridge Company,

BEAVER FALLS, PA.,

Contractors and Manufacturers of

Truss & Suspension

BRIDGES,

Structural Iron Work.

J. W. Shipman, M. E., Eastern Agent, 59 Tribune Building, New York, N. Y.

F. Harris, C. E., Southwestern Agent, 26 Merchants' Exchange, Dallas, Texas.

J. C. Darst, A. J. Sprague, Toledo, O.
H. A. Williams, E. W. Eckert, Massillon, O.

Massillon

BRIDGE COMPANY,

MASSILLON, O.,

Design and Construct Bridges and Viaducts of Wrought Iron, Steel, Combination and Wood. Also Iron Turn-Tables, Roofs and Buildings, and General Structural Iron Work.

TOLEDO OFFICE:

Room 7, Merchants' National Bank Building.

W. M. LEVERING, President.
M. BENNER, Engineer.
W. A. GARRIGUES, Sec. and Treas.

THE

Jones & Benner Co.,

BRIDGES,

Buildings and other Structural Work.

218 SOUTH FOURTH STREET,

PHILADELPHIA.

THE

Wallis Iron Works.

IRON BUILDINGS, BRIDGES, TURNTABLES, ROOFS, and RIVETED GIRDERS.

Sole Manufacturers of the Perkin's Patent Shutters.

MAIN OFFICE AND WORKS:

7, 9, 11, 13, 15 Morris and 7 and 9 Essex Sts.

Telephone 38. JERSEY CITY, N. J.

NEW YORK OFFICE:

95 Liberty Street.

792 Union Pacific Ry.—*Division Officers, etc.*—*Continued.*

258 miles; O., N. & B. H. RR., 115 miles; Julesburg Branch, 151 miles; total, 1,044 miles.

1	*Superintendent*	Omaha, Neb.
2 C. F. Newton	*Svr. B. & Bls.*	" "
3 D. S. Capron	*Super. Track.*	" "
4 L. M. Jenney	*Road M., 1st D't*	" "
5 T. D. Sargent	*As. R. M., 1st D*	" "
6 Martin Horn	*R. M. 2d D't*	Gd. Island, Neb.
7 A. McGregor	*R. M. 3 & 4 D.*	Cheyenne, Wyo.
8 W. S. Willson	*R. M. Julbg. D.*	Sterling, Col.
9 J. H. McConnell	*Div. Mas. Mech.*	Omaha, Neb.
10 Frank Rearden	*Ass't. D. M. M.*	No. Platte, Neb.
11 John P. Ray	*G. F. M. Pow.*	Omaha, Neb.
12 A. M. Collett	*G. F. Car Dep.*	" "
13 A. D. Schermerhorn	*Div. Eng. / Main. of W.*	" "
14 B. C. Howard	*Div. Foreman.*	Gd. Island, Neb.
15 J. Cleburne	*Foreman*	Sidney, Neb.
16 Jno. C. Strahorn	*Foreman*	Sterling, Col.
17 R. McDougall	*Foreman*	Cheyenne, Wyo.

Principal Shops, Omaha and North Platte. Repair Shops, Grand Island and Sidney, Neb., Sterling, Col., and Cheyenne, Wyo.

(*b*) *Wyoming Division;* comprising the Main Line, Cheyenne to Ogden, 515 miles; Echo & Park City Ry., 31 miles; L., N. P. & P. Ry., 14 miles; S. L. & W. Ry., 57 miles; total, 617 miles.

1 C. E. Wurtelle	*Superintendent*	Laramie, Wyo.
2 W. W. Kiter	*S. S. L. & W. D.*	S. Lake City, Utah
3 J. A. Weed	*Svr. B. & Bls.*	Laramie, Wyo.
4 H. B. Patten	*Div. Eng. / Main. of Wy*	" "
5 F. D. Delaney	*R. M. 5 & L. N. / P. P. D*	" "
6 J. F. McEntee	*Ass't. Do*	" "
7 E. Brown	*R. M., 7th Dist.*	Rawlins, Wyo.
8 G. O'Neill	*R. M. 8 & E P C D*	Evanston, Wyo.
9 S. M. Yeoman	*Ass't. Do*	Echo, Utah.
10 T. A. Davies	*Div. Mas. Mech.*	Laramie, Wyo.
11 G. F. Chapman	*Ass't D. M. M.*	Evanston, Wyo.
12 J. F. Dunn	*Foreman*	Rawlins, Wyo.
13 E. A. Linsley	*Foreman*	Green River, Wyo
14 S. Livingston	*Foreman*	Echo, Utah.
15 W. P. Hart	*Foreman*	Ogden, Utah.

Principal Shops, Laramie and Evanston, Wyo. Repair Shops, Rawlins, Green River and Echo.

(*c*) *Kansas Division;* comprising the Leavenworth Branch (Kansas Pacific Ry.), 639 miles; Kansas Central Branch, 166 miles: L. & E. Ry., 32 miles; J. C. & Ft. K. Branch, 87 miles; Solomon Branch, 57 miles; S. & S. W. Ry., 36 miles; total, 1,017 miles.

1 J. O. Brinkerhoff	*Superintendent*	Kansas City, Mo.
2 S. Mallison	*Svr. B. & Bls.*	" "
3 William Ashton	*Div. Eng. / Main. of W.*	" "
4 Jno. Tudhope	*R. M. 1 L. L. E. D.*	Lawrence, Kas.
5 M. E. Kane	*Ass't Do*	" "
6 A. L. McLeod	*R. M. 2 & 3 & J. & F. K. S. S. S. W D*	" "
7 P. McMahon	*R. M. 3 & 4 D.*	Ellis, Kas.
8 B. Taylor	*R. M. 5 & 6 D.*	Hugo, Col
9 D. C. Wilson	*R. M. K. C. D.*	Leavenworth, Ks.
10 Jno. B. Chapman	*Div. Mas. Mech.*	Armstrong, Kas.
11 Jno. B. Dailey	*Ass't D. M. M.*	Ellis, Kas.
12 H. W. Harrison	*Ass't D. M. M.*	Leavenworth, Ks.
13 James Roberts	*G. F. M. Pow.*	Armstrong, Kas.
14 Thos. B. Roberts	*G. F. Car Dep.*	" "

15 *Foremen.*—Wm. Valentine, Lawrence, Kas.; A. Leowen, Wamego, Kas.; W. Turton, Brookville, Kas.; F. Weisgerber, Wallace, Kas.; S. Eland, Hugo, Col.

Principal Shops, Armstrong, Leavenworth and Ellis. Repair Shops, Lawrence, Wamego, Brookville, Wallace and Hugo.

(*d*) *Colorado Division;* comprising the Den. Pac. RR., 106 miles; Colorado Central RR., 189 miles; D., S. P. & P. RR., 322 miles; G., S. L. & P., 52 miles; B. V. Branch, 27 miles; G., B. & C. Ry., 6 miles; total, 702 miles.

792 Union Pacific Ry.—*Colorado Division*—*Continued.*

1 Jos. K. Choate	*Superintendent*	Denver, Col.
2 P. Tonhy	*Ass't. Supt.*	" "
3 J. Parks	*Svr. B. & Bls.*	" "
4 T. H. Loomis	*Div. Eng. / Main. of W.*	" "
5 John Rapelje	*Gen. Road Mas.*	" "

6 *Assistant Road Masters.*—C. W. Burgdorf (D. P., B. V., G. B. & C., & G., S. L. & P. Dists.), Denver, Col.; E. A. Boardman (C. C., G. S. L. & P., D. & M. P. Dists.), Golden, Col.; J. C. Ryan (Union Depot Limits), Denver, Col.; A. H. Egan, Denver, Col.; P. Dobbins, Como, Col.; J. P. Schermerhorn, Buena Vista, Col. (D. & S. P. Dist.).

7 F. Mertsheimer	*Div. Mas. Mech.*	Denver, Col.
8 Spencer Otis	*General Fm.*	" "
9 David Patterson	*Fm. Mot. Pow.*	" "
10 T. G. Roberts	*Fm. Car Dept.*	" "
11 John Piccoli	*Fm. Mot. Pow.*	Golden, Col.
12 E. G. Thompson	*Fm. Car Dept.*	" "
13 P. Dobbins	*Foreman*	Como, Col.
14 W. L. Walker	*Foreman*	Leadville, Col.

Principal Shops at Denver and Golden. Repair Shops at Como and Leadville.

(*e*) *Idaho Division;* comprising the Oregon Short Line Ry., 540 miles; Utah & Northern Ry., 454 miles; Montana Ry., 4 miles; total, 998 miles.

1 R. Blickensderfer	*Superintendent*	Pocatello, Ida.
2 J. M. Bennet	*Spv. Bgs. & Bldg (OSL)*	" "
3 J. S. Eck	*Spv. Brdgs (U. & N.).*	" "
4 Fred. Holbrook	*Div. Eng. / Main. of W.*	" "
5 Edw. Braddock	*G. Road Mast.*	" "

6 *Road Masters.*—M. Fitzpatrick, Montpelier, Ida.; H. Shufflebarger, Pocatello, Ida.; F. L. Olmstead, Shoshone, Ida.; Wm. Toombs, Logan, Utah; E. Fanning, Eagle Rock, Ida.; Thomas Douglas, Silver Bow, Mont.

7 J. S. Hickey	*Div. Mas. Mech.*	Pocatello, Ida.
8 John Muckley	*G. F. M. P. Dp.*	Shoshone, Ida.
9 S. K. Jackson	*G. F. Car Dep.*	" "
10 C. J. Smith	*G. F. M. P Dep*	Eagle Rock, Ida.
11 Jno. W. Paul	*G. F. Car Dep.*	" "
12 Jas. Bywater	*Foreman*	Logan, Utah.
13 James Lyon	*Foreman*	Battle Creek, Ida.
14 W. J. Hemphill	*Foreman*	Butte, Mont.

General offices, Omaha, Neb., and 40 Wall St., New York, N. Y. Financial Agency, 44 Equitable Building, Boston, Mass. Principal Shops at Shoshone, Eagle Rock and Butte. Repair Shops at Logan and Battle Creek.

793 Union Pacific System.—ASSOCIATED AND CONTROLLED LINES.

(*a*) *Denver, Western and Pacific Ry.*—Between Denver and Longmont, 20 miles.

1 H. P. Bennett	*Receiver.*	Denver, Col.

(*b*) *Nevada Central Ry.*—Battle Mountain to Austin, 94 miles.

1 C. W. Hinchcliffe	*Receiver & Supt.*	Austin, Nev.
2 Ch. F. Adams, Jr.	*President*	Boston, Mass.
3 S. R. Callaway	*Vice-President.*	New York, N. Y.
4 C. W. Hinchcliffe[2346]	*S. & G. T. & F. A*	Austin, Nev.
5 F. W. Dunn[11]	*Trs. & Pur. A.*	BattleMount'n, Nev.
6 W. E. Killen	*Mast. Mech.*	" "
7 James M Ham	*Transfer Agt.*	New York, N. Y.
8 A. B. Hastings	*Rd Mst & Spp. A.*	Austin, Nev.
9 O. B. Vincent	*Supt. Teleg.*	" "

General office, Austin, Nev.

(*c*) *Salina, Lincoln and Western Ry.*—Salina to Lincoln, 35 miles.

1 A. L. Williams	*President*	Topeka, Kas.
2 Geo. W. Veale	*Vice-President.*	" "
3 H. P. Dillon	*Secretary*	" "
4 J. Blickensderfer	*Chief Engineer*	" "

☞ *See note of explanation on first page.*

J. H. WICKES, President. H. M. QUACKENBOS, Secretary.

WICKES
REFRIGERATOR COMPANY.

General Offices, 205 La Salle Street, CHICAGO, ILL.

Branch Office, "Osburn House Block," Rochester, N. Y.

REFRIGERATOR CARS,

Perfectly suited to the wants of all Railroads and Transportation lines.

COLD STORAGE ROOMS

For Dwelling Houses, Hotels, Club Houses, Markets, Creameries, Commission Houses, etc., etc.

Awarded First Premiums and Medals at the World's Exposition, New Orleans, La., 1885.

POOR & GREENOUGH,

34 Wall Street, New York,

AGENTS FOR THE

English Association of American Bond and Shareholders of London.

Collect for foreign holders Dividends, Coupons or Drafts, payable in any part of the United States.

Buy and Sell Government Bonds or Railway Securities in all markets.

Railway Investments a Specialty.

POOR & GREENOUGH, Bankers,

34 WALL STREET, NEW YORK.

793 Union Pacific System.—*Continued.*

(*d*) *Utah Central Railway.*—Ogden to Frisco, 280 miles.

1 Ch. F. Adams, Jr.	*President*	Boston, Mass.
2 John Sharp	*V.-Pres. & G. S.*	S.Lake City, Utah
3 L. S. Hills	*Treasurer*	" "
4 George Swan[9 10]	*Secretary*	" "
5 James Sharp	*Ass't Gen Sup.*	" "
6 F. Cope[6]	*G. Pass. & Ft. A.*	" "
7 J. W. Fox	*Chief Engineer*	" "
8 C. W. Hardy	*Asst. Engineer*	" "
9 G. G. Bywater	*Master of Mach.*	" "
10 Peter Reed	*Mast. Car Repr.*	" "
11 S. H. Hills	*Purch. Agt*	" "
12 James M. Ham	*Transfer Agt*	New York, N. Y.
13 J. H. Layd	*Master Car P.*	S.Lake City, Utah
14 A. F. Doremus	*Eng. & Road M.*	" "
15 James Latimer	*Ass't. Road M.*	Juab, Utah.
16 J. H. Rumel, Jr.[7 8]	*Car Account't.*	S.Lake City, Utah

General office, Salt Lake City, Utah.

(*e*) *Utah and Nevada Ry.*—Salt Lake City to Terminus, 37 miles.

1 Chas. F. Adams, Jr.	*President*	Boston, Mass.
2 W. W. Riter[5]	*V.-Pres. & Supt.*	S.Lake City, Utah
3 Henry McFarland	*Sec. & Treas.*	Boston, Mass.
4 Oliver W. Mink	*Comptroller*	" "
5 S. F. Fenton	*G. Fg. & Tkt. A.*	S.Lake City, Utah
6 A. F. Doremus	*Chief Engineer*	" "
7 Robert Anderson	*Fm. Rep Shops.*	" "
8 S. W. Riter	*Road Master*	" "

General office, Salt Lake City, Utah.

(*f*) *Utah and Northern Ry.*—Ogden to Silver Bow Junction, Mont., 408 miles; with branches, 57 miles.

1 C. F Adams, Jr.	*President*	Boston, Mass.
2 Fred. L. Ames	*Vice-President.*	" "
3 Henry McFarland	*Sec. and Treas.*	" "
4 S. R. Callaway	*Gen. Manager*	Omaha, Neb.
5 W. B. Doddridge	*Gen. Supt.*	Ogden, Utah.
6 C. S. Stebbins	*Gen. Ticket Agt.*	Omaha, Neb.
7 P. P. Shelby	*Gen. Fght. Agt.*	" "
8 J. Bickensderfer	*Chief Engineer*	" "
9 Clement Hackney	*Master Mech.*	" "

794 Union Pacific Central Branch.

See Missouri Pacific Company.

795 Utah Central Ry.

See Union Pacific System, Associated and Controlled Lines.

796 Utah Eastern RR.—Coal Mines to Park City, Utah, 27 miles.

1 H. G. McMillan	*Receiver*	S.Lake City, Utah

797 Utah and Nevada Ry.

798 Utah and Northern Ry.

See Union Pacific System, Associated and Controlled Lines.

799 Utica and Black River RR.—Utica to Ogdensburg, N.Y., 134 miles; with branches and leased lines, 179 miles. (Now a division of the Rome, Watertown, and Ogdensburg RR.)

800 Vaca Valley and Clear Lake RR.—Elmira to Cache Creek, 29 miles.

1 A. M. Stevenson	*Pres. & G. Mgr.*	Vacaville, Cal.
2 Leland Stanford	*Vice-President.*	San Francisco, C.
3 J. O. B. Gunn	*Treasurer*	" "
4 Geo. A. Stone	*Secretary*	" "
5 A. V. Stevenson[6]	*G. Pr. & Fgt. A*	Vacaville, Cal.
6 G. B. Stevenson	*Superintendent*	" "
7 Joseph Young	*Road Master.*	Winters, Cal.

General office, Vacaville, Cal.

801 Valley Railway (Ohio).—Cleveland to Valley Junction, 76 miles; with branches, 6 miles.

1 J. H. Wade	*President*	Cleveland, O.
2 D. L. King	*Vice-President.*	Akron, O.
3 S. T. Everett	*Treasurer*	Cleveland, O.

801 Valley Railway (Ohio).—*Continued.*

4 W.B.Porter[2 3 4 7 8 9 10]	*Sec. & Auditor*	Cleveland, O.
5 Isaac Reynolds[11]	*Gen. Manager.*	" "
6 R. A. Carran	*G. Fgt. & Ps. A.*	" "
7 C. T. Johns	*Mast. Mech.*	" "
8 M. H. Farrasey	*Purch. Agent.*	" "
9 W. M. Smith	*Superintendent*	" "
10 T. Delaney	*Road Master*	Akron, O.

General office, Cleveland, O.

802 Valley Railroad (Virginia).

See Baltimore and Ohio RR.

803 Vandalia Line, composed of the following roads: St. Louis, Vandalia and Terre Haute; Terre Haute and Indianapolis, and Terre Haute and Logansport RRs.

CORPORATE OFFICERS OF THE TERRE HAUTE AND INDIANAPOLIS RR.

1 W. R. McKeen	*President*	Terre Haute, Ind.
2 J. W. Cruft	*Treasurer*	" "
3 G. E. Farrington	*Sec. & Gen. Agt.*	" "

OPERATING OFFICERS.

4 Joseph Hill	*Gen. Supt.*	St. Louis, Mo.
5 E. R. Darlow	*Ass't Supt.*	" "
6 H. W. Hibbard	*G. Ft. Agent*	" "
7 E. A. Ford	*Gen. Pas. Agent*	" "
8 J. M. Chesbrough	*A. G. Pass. Ag.*	" "
9 H. R. Dering	*A. G. Pass. Ag*	Indianapolis, Ind.
10 J. R. Kendall	*A. G. Ft. Agent*	Terre Haute, Ind.
11 H. P. Wetsell	*G. Ag. Ft. Dept.*	Indianapolis, Ind.
12 R. R. Bentley	*G. Bag. Agt.*	Pittsburgh, Pa.
13 C. R. Peddie	*Purch. Agent*	Terre Haute, Ind.
14 W.S.Roney[2 3 4 7 8 9 10]	*Auditor*	" "
15 G. H. Prescott	*Su. Mo. P. & M.*	" "
16 Wm. Berry	*Mas. Car Bldr.*	" "
17 N. K. Elliott	*Mast. Transp.*	" "
18 F. C. Crawford	*Paymaster.*	" "
19 H. G. Sleight[11]	*Car Account't.*	" "
20 J. G. Williams	*Gen. Counsel*	" "
21 A. J. Gibbons	*Asst. Engineer.*	Indianapolis, Ind.
22 R. B. Woolsey	*Supt. Teleg.*	Terre Haute, Ind.
23 F. C. Cleaver	*Div. M. M.*	" "
24 C. Butler	*Div. M. M.*	Effingham, Ill.
25 C. Idler	*Fm. Loco. Rep.*	Indianapolis, Ind.
26 C. A. Sanborn	*Fm. Loco. Rep.*	E. St. Louis, Ill.
27 John Schofield	*Road Master*	Brazil, Ind.
28 M. Reedy	*Road Master*	Effingham, Ill.
29 J. S. Brothers	*Road Master*	Crawfordsv'le, In.

General office, Terre Haute, Ind.

804 Versailles and Midway RR.—Versailles to Midway, 8 miles.

1 W. H. Graddy	*President*	Versailles, Ky.
2 T. H. Hays	*Vice-P. & G.M.*	Louisville, Ky.
3 J. P. Amsden	*Treasurer*	Versailles, Ky.
4 Robert Wallace	*Sec. & Supt.*	" "
5 C. M. Browning	*G. P. & F. Agt.*	" "
6 A. B. Rich	*C E M M & M of T*	" "
7 James Duffy	*Road Master*	Midway, Ky.

General office, Versailles, Ky. Transfer office, Midway, Ky.

805 Vicksburg and Meridian Ry., and

806 Vicksburg, Shreveport and Pacific Ry.

See Queen and Crescent Route.

807 Virginia Midland Ry.

See Richmond and West Point Terminal Ry.

808 Virginia and Truckee RR.

1 D. O. Mills	*President*	New York, N. Y.
2 H. M. Yerington	*V.-P. & G. Supt.*	Carson, Nev.
3 Agency Bank of Cal.	*Treasurer*	Virginia, Nev.
4 E. B. Yerington	*Secretary*	" "
5 D. A. Bender[2 3 4 6]	*G. F. & Pass. A.*	Carson, Nev.
6 George T. Mills	*Auditor*	" "
7 Hume Yerington	*Purch. Agent.*	" "
8 C. C. Atherton	*Road Master*	" "

☞ *See note of explanation on first page.*

808 Virginia and Truckee RR.—*Continued.*

9 I. N. Fording	*Mast. of Mach.*	Carson, Nev.
10 A. M. Ardery	*Mast. Transp.*	" "
11 M. Hyde	*Fm. Rep. Shops*	" "
12 D. Kelley	*Fm. Blacksmith*	" "
13 P. Doyle	*Fm. Foundry*	" "
14 Charles Stewart	*Fm. Tin Shop.*	" "

General office, Carson, Nev.

(*a*) *Carson and Colorado RR.*

1 H. M. Yerington	*P. & Gen. Sup.*	Carson, Nev.
2 D. L. Bliss	*Vice-President.*	" "
3 S. P. Smith	*Treasurer*	Sacramento, Cal.
4 D. A. Bender	*S.&G.F.&P.A.*	Carson, Nev.
5 R. J. Laws	*Asst. Supt.*	Hawthorne, Nev.
6 A. M. Ardery	*Supt. Teleg.*	Carson, Nev.
7 J. W. Haynie	*Road Master*	Hawthorne, Nev.
8 Hume Yerington	*Purch. Agt*	Carson, Nev.
9 James Quinn	*Fm. Mach. Shp.*	Hawthorne, Nev.
10 D. R. Culp	*Mas. Car Paint.*	Carson City, Nev.

General office, Carson, Nev.

809 Visalia Railroad.

1 R. E. Hyde	*President*	Visalia, Cal.
2 E. Jacob	*V.-P. & Treas.*	" "
3 Solomon Sweet	*Secretary*	" "

810 Wabash Railway.—Toledo to Tilton, 251.5 miles; Tilton to Hannibal, 211 miles; Chicago to Bement, 152.8 miles; Decatur to St. Louis, 112.8 miles; Bement to Altamont, 62.9 miles; Shumway to Effingham, 8.5 miles; Streator to Forrest, 36.9 miles; Bluffs to Quincy, 61 miles; Clayton to Keokuk, 42.3 miles; Maysville to Pittsfield, 6.2 miles; Edwardsville branch, 10.1 miles—total, 956 miles.

1 John McNulta	*Receiver*	Chicago, Ill.
2 W. B. Corneau	*Treasurer*	" "
3 Morris Trumbull	*Auditor*	" "
4 Isham, Lincoln & Beale	*Gen. Counsel*	" "
5 Richard J. Rees	*Purch. Agent*	" "
6 J. B. Barnes	*Su. M. P. & M*	Springfield, Ill.
7 M. M. Martin	*Sup. Car Dept*	Decatur, Ill.

OPERATING DEPARTMENT.

8 K. H. Wade	*Gen. Supt.*	Chicago, Ill.
9 G. W. Stevens	*Asst. Gen. Sup.*	Decatur, Ill.
10 G. A. Hurd	*Master Transp*	" "
11 G. C. Kinsman	*Supt. Teleg.*	" "
12 C. Hapgel	*Resident Eng.*	Springfield, Ill.
13 A. M. Gregory	*Gen. Claim Agt*	" "

FREIGHT DEPARTMENT.

14 M. Knight	*Gen. Fgt. Agt.*	Chicago, Ill.
15 J. M. Osborn	*Div. Fgt. Agent*	Toledo, O.
16 S. B. Knight	*Div. Fgt. Agent*	Decatur, Ill.
17 M. L. Doherty	*Commer. Agent*	St. Louis, Mo.
18 William Orr	*Commer. Agen.*	Chicago, Ill.

BAGGAGE DEPARTMENT.

19 N. B. Laiser	*Gen. Bag. Agt.*	Chicago, Ill.

PASSENGER DEPARTMENT.

20 S. W. Snow	*Gen. Pass. Agt.*	Chicago, Ill.
21 Perry Griffin	*City P. & T. A.*	" "
22 E. P. Wilbur	*N. W. Tro. P. A.*	Milwaukee, Wis.
23 W. Flannelly	*City Tkt. Agt.*	St. Louis, Mo.
24 James Garvey	*Trav. Pas. Agt.*	" "
25 E. P. Jordan	*City Pass. Agt.*	" "
26 H. Lihou	*Ticket Agent*	" "
27 E. S. Williams	*Pass. Agent*	" "
28 C. P. Fegan	*S. W. Pass. Agt.*	Dallas, Tex.
29 J. A. Granger	*Pass. & Tkt. A.*	Toledo, O.
30 M. A. De Wolf	*Trav. Pass. A.*	Cleveland, O.
31 H. D. Armstrong	*Mich. Pass. Ag.*	Jackson, Mich.
32 J. A. McMillan	*Trav. Pass. A.*	G'd Rapids, Mich.
33 W. J. McLean	*Trav. Pass. A.*	Peoria, Ill.
34 J. W. Christiancy	*Trav. Pass. A.*	Kansas City, Mo.
35 J. M. McConnell	*Pass. & Tkt. A.*	Ft. Wayne, Ind.
36 Steen & Gregory	*Excur. Agents.*	Danville, Ill.
37 S. P. Barnes	*Commer. Agt.*	Quincy, Ill.
38 S. Allen	*Ticket Agent*	Keokuk, Ia.
39 G. K. Tozer	*Ticket Agent*	Hannibal, Mo.

811 Wabash, Chester and Western RR.

1 Nathan Cole	*President*	St. Louis, Mo.
2 C. B. Cole[3 4 9 10]	*V.-P. & Treas.*	Chester, Ill.
3 H. C. Cole	*Secretary*	" "
4 J. L. Hinckley[9]	*Superintendent*	" "
5 C. E. Kingsbury[27 8 11]	*Au., G. F. & P. A.*	" "

General office, Chester, Ill.

812 Wabash Western Ry.—Lines east of the Mississippi River, 207.2 miles; lines west of the Mississippi River, 899.6 miles—total, 1,106.8 miles.

1 O. D. Ashley	*President*	New York, N. Y
2 A. A. Talmage	*V.-P. & G. M.*	St. Louis, Mo.
3 Edgar T. Welles	*Vice-President.*	New York, N. Y.
4 Chas. M. Hays	*Asst. Gen. Man.*	St. Louis, Mo.
5 James F. How	*Sec. & Treas.*	" "
6 James Smith	*G. Traf. Man.*	" "
7 Samuel Smith	*As. G. Fgt. Agt.*	" "
8 F. Chandler	*G. P. & T. A.*	" "
9 C. S. Crane	*As. G. P. & T. A.*	" "
10 S. H. Overholt	*Gen. Bag. Agt.*	" "
11 D. B. Howard	*Auditor*	" "
12 W. H. Blodgett	*Gen. Solicitor*	" "
13 W. S. Lincoln	*Chief Engineer*	" "
14 H. H. Wellman	*Purch. Agent*	" "
15 C. B. Adams	*Car Serv. Agt.*	" "
16 C. P. Chesebro	*Gen. Car Acc't.*	" "
17 H. A. Lloyd	*G. Claim Agt.*	" "
18 J. W. Jackson	*Chief Surgeon*	Kansas City, Mo.
19 H. L. Magee	*Sup. West. Div.*	Moberly, Mo.
20 C. F. Meek	*Su. Des M. Div.*	Des Moines, Ia.
21 J. S. Goodrich	*Supt. En. Div.*	Peru, Ind.
22 A. W. Quackenbush	*G. Mast. Mech.*	Moberly, Mo.
23 John Lange	*Mas. Car. Bldr.*	" "
24 John Hewitt	*G. M. M. & L'ns*	Butler, Ind.

TRAVELLING AND PASSENGER AGENTS.

25 H. B. McClellan	*Gen. East. Agt.*	New York, N. Y.
26 B. H. Ball	*N. Y. State Agt.*	" "
27 L. S. McClellan	*So. East. Agt.*	" "
28 J. D. McBeath	*N. Eng. Agt.*	Boston, Mass.
29 A. M. Brackenridge	*Central Agent.*	Pittsburgh, Pa.
30 C. Sheeby	*Canadian Agt.*	Detroit, Mich.
31 J. A. Richardson	*Can. Trav. Ag.*	Toronto, Can.
32 F. P. Wade	*District Agent.*	Indianapolis, Ind.
33 R. H. Fowler	*Travelling Agt.*	Louisville, Ky.
34 Ed. Swift	*Travelling Agt.*	Cincinnati, O.
35 H. N. Garland	*Western Agent.*	Kansas City, Mo.
36 C. W. Green	*Travelling Agt.*	" "
37 Geo. N. Clayton	*No. West. Agt.*	Omaha, Neb.
38 W. J. Shotwell	*Traveling Agt.*	Denver, Col.
39 J. H. Woodward	*Pac. Coast Agt.*	S. Francisco, Cal.
40 F. W. Greene	*Travelling Agt.*	St. Louis, Mo.

41 *Commercial Agents.*—B. F. R. Clark, Chicago, Ill.; E. O. Hudson, St. Louis, Mo.; W. H. Reed, Kansas City, Mo.; H. A. Russell, St. Joseph, Mo.; F. M. Gault, Council Bluffs, Ia.; C. M. Hampson, Denver, Col.

42 *Division Freight Agents.*—W. P. Sargent, Boston, Mass.; W. H. Knight, Detroit, Mich.; W. B. Jennings, Moberly, Mo.; C. F. Meek, Des Moines, Ia.

813 Walden's Ridge RR.—Oakdale Junction to Oliver's Spring, 19 miles.

1 E. R. Chapman	*President*	New York, N. Y.
2 E. C. Lackland	*Vice-President.*	St. Louis, Mo.
3 C. H. Eickes	*Sec. & Treas.*	New York, N. Y.
4 Geo. J. Kinzel	*Superintendent*	Oliver Spgs, Tenn

General office, 26 Broad St., New York, N. Y.

814 Wallkill Valley RR.—Montgomery to Kingston, 33 miles.

1 Ashbel Green	*President*	New York, N. Y.
2 J. P. Ord	*Sec. & Treas.*	" "
3 J. D. Layng	*Gen. Manager.*	" "
4 G. H. Graves	*Superintendent*	Kingston, N. Y.
5 J. J. Farrell	*Gen. Auditor*	Syracuse, N. Y.
6 J. W. Musson	*Traffic Mgr.*	New York, N. Y
7 Lucius Smith	*As. G. Fgt. Agt.*	" "
8 C. E. Lambert	*Gen. Pass. Agt*	" "
9 G. W. Clymans	*Gen. Bag. Agt.*	Weehawken, N. J.
10 Walter Katte	*Chief Eng.*	New York, N. Y.
11 Thomas Cahill	*Insp. of Brdgs*	Kingston, N. Y.

General office, 5 Vanderbilt Avenue, New York, N. Y.

☞ *See note of explanation on first page.*

815 Warren and Farnsworth RR.—Clarendon to Vandegrift, 10 miles; branches, 5 miles.

1 M. Waters	*President*	Warren, Pa.
2 M. B. Dunham	*Vice-President.*	" "
3 J. P. Jefferson	*Secretary*	" "
4 A. D. Wood	*Treas. & G. M.*	" "
5 C. P. Wilkins	*Auditor*	Clarendon, Pa.
6 Wetmore, Noyes & Hinckley	*Gen. Solicitors.*	Warren, Pa.
7 P. Savage	*Master Mech.*	Clarendon, Pa.
8 L. W. Daly	*Road Master*	" "

General office, Warren, Pa.

816 Washington, Ohio and Western RR.—(Now leased by Richmond and Danville RR.)

817 Washington and Potomac RR.—Mechanicsville to Brandywine, 20 miles. (Late Southern Maryland RR.)

1 R. M. Pulsifer	*President*	Boston, Mass.
2 Adolphus Merriam	*Vice-President.*	So. Framingham, Mass.
3 James Long	*Treasurer*	Philadelphia, Pa.
4 Robert H. Good	*Secretary*	" "
5 J. B. Ridgway	*Superintendent*	Brandywine, Md.

General office, Philadelphia, Pa.

818 Waterloo and Magog Ry.—Waterloo to Magog, 23 miles; Missisquoi Valley Ry., 10 miles.

1 Ralph Merry	*President*	Magog, P. Q.
2 A. H. Moore	*Secretary*	" "
3 J. B. Futvoye	*Sup. & Pur. A.*	St. Johns, P. Q.
4 C. Courville	*Road Master*	S. Stackley, P. Q.

General office, Waterloo, Que.

819 Waynesburg and Washington RR.

See Pennsylvania Company.

820 Western and Atlantic RR.—Atlanta to Chattanooga, 133 miles.

1 Joseph E. Brown	*President*	Atlanta, Ga.
2 W. C. Morrill[3 4 9 10]	*V.-P., S. & Tr.*	" "
3 R. A. Anderson[8]	*Gen. Supt.*	" "
4 A. B. Bostick	*Ass't. Supt.*	" "
5 Joseph M. Brown	*Gen. F. & P. A.*	" "
6 J. L. Dickey	*Ass. Gen. F. A.*	" "
7 Alton Angier	*Ass. Gen. P. A.*	" "
8 Julius L. Brown	*Gen. Attorney.*	" "
9 J. C. Courtney	*Gen. Account't.*	" "
10 W. A. Anderson	*Ticket Auditor*	" "
11 E. C. Spalding[7 8 11]	*Car Account't.*	" "
12 M. L. Collier	*Mast. Mech.*	" "
13 William Kenyon	*Mast. Car Bld.*	" "
14 C. Beardsley	*Train Disp.*	" "
15 W. P. Moring	*Mas. Car Paint.*	" "
16 M. H. Dooley	*Road Master*	" "
17 H. A. Butler	*Supervisor*	Kenesaw, Ga.

See also Georgia Associated Traffic Lines.

821 Western Counties Railway.—Yarmouth to Digby, 67 miles..

1 L. E. Baker	*President*	Yarmouth, N. S.
2 J. W. Bingay	*Sec. & Treas.*	" "
3 J. Brignell	*Supt. & Pur. A.*	" "
4 D. J. Murphy	*Road Master*	" "

822 Western Maryland RR.—Baltimore to Williamsport, 90 miles; Baltimore and Cumberland Valley RR., 34 miles.

1 John M. Hood	*Pres. & G. M.*	Baltimore, Md.
2 J. S. Harden[3 4 9 10]	*Sec. & Treas.*	" "
3 B. H. Griswold[8]	*Gen. F. & P. A.*	" "
4 J D Whittington[5 7 8]	*Gen. T. A. & Ass.*	" "
5 David Holtz	*Mast. of Mach.*	UnionBridge, Md.
6 J. E. Mathews	*Eng. & Road. M.*	Baltimore, Md.
7 W. R. Straw	*Ass't. Road M.*	UnionBridge, Md.
8 J. H. Nussear	*Mas. Car Reps.*	" "
9 Robert J. Adair	*Purch. Agent.*	Baltimore, Md.
10 A. L. Gardner[11]	*Train Master.*	" "
11 E. W. Leeds	*Mas. Car Paint.*	UnionBridge, Md.

General office, Baltimore, Md.

(a) *Baltimore and Harrisburg Ry.*, 67 miles.

1 H. D. Scott	*Superintendent*	Hanover, Pa.
2 Joseph Leib	*Div. F. & P. A.*	" "

822 Western Maryland RR.—*Baltimore and Harrisburg Ry.—Continued.*

3 G. G. Herman	*Mas. of Mach.*	Hanover, Pa.
4 Geo. Baublitz	*Supervisor*	" "

823 Western North Carolina RR.

See Richmond and West Point Terminal RR.

824 Western Railway of Alabama.—Selma to West Point, 138 miles, and

Atlanta and West Point RR.—East Point to West Point, 81 miles.

OFFICERS OF BOTH RAILROADS.

1 L. P. Grant	*President*	Atlanta, Ga.
2 H. M. Abbett[3 4 9 10]	*Sec. & Treas.*	" "
3 Cecil Gabbett[5]	*Gen. Manager.*	Montgomery, Ala.
4 C. H. Cromwell[2 6]	*Gen. F. & P. Agt*	" "
5 J. E. Worswick	*Master Mech.*	" "
6 C. D. Wall	*Mast. Car B'r.*	" "
7 William Mims	*Road Master*	Atlanta, Ga.
8 G. W. Harrison	*Road Master*	Selma, Ala.
9 R. Bartels	*For. Pat. Shop.*	Montgomery, Ala.
10 E. B. McDaniel[7 8 11]	*Car Account't.*	" "
11 J. C. McKenzie	*Train Disp.*	" "

General office, Montgomery, Ala.

825 Western Railway of Florida.—Green Cove Springs to Terminus, 15 miles; branch, 2 miles.

1 Dexter Hunter	*President*	Jacksonville, Fla.
2 J. C. Greely	*Secretary*	" "
3 W. J. Wilson	*Treasurer*	Gr'nC've Sp'g Fla
4 O. A. Budington	*Gen. Supt.*	" "
5 C. H. Blakeslee	*As. Sup. & M. M.*	" "
6 John Walsh	*Agt. & Account.*	" "
7 C. Tyler	*Freight Clerk.*	" "

General offices, Green Cove Springs, Fla.

826 West Branch and Moorestown.—Moorestown to Muskegon River, 11 miles.

1 John Torrent	*President*	Muskegon, Mich.
2 H. O. Lange	*Vice-President.*	" "
3 W. S. Holstra	*Sec. & Treas.*	" "
4 John Lynch	*Gen. Manager.*	" "

General office, Muskegon, Mich.

827 West Feliciana RR.—Bayou Sara, La., to Woodville, Miss., 26 miles.

1 J. B. McGehee	*Pres. & Gen. Su.*	Woodville, Miss.
2 J. S. McGehee	*Cash. & Gen. Ag*	" "
3 J. A. Tilton	*Mast. Mechanic*	" "
4 Wash. Hands	*Fgt & Transf. A*	Bayou Sara, La.
5 George Argue	*Conductor*	Woodville, Miss.

General office, Woodville, Miss.

828 West Jersey Railroad.

See Pennsylvania System Associated Lines.

829 West Penn and Shenango Connecting RR.—Coaltown Junction to Butler, 20 miles.

1 James T. Blair	*Rec. & Pres.*	Greenville, Pa.
2 John M. Thompson	*Vice-President.*	Butler, Pa.
3 J. D. Stinson	*Sec. & Treas.*	Greenville, Pa.

General office, Greenville, Pa.

830 West Shore RR.

See New York Central and Hudson River RR.

831 West Virginia Central and Pittsburgh RR.—Piedmont to Davis, 58 miles, with branch, 3 miles.

1 H. G. Davis	*President*	Piedmont, W. Va.
2 S. B. Elkins	*Vice-President.*	Davis, W. Va.
3 E. W. S. Moore	*Sec. & Treas.*	Baltimore, Md.
4 T. B. Davis	*Gen. Manager.*	Piedmont, W. Va.
5 G. W. Harrison	*G. T. F. & Pur A*	" "
6 James Parsons	*Chief Engineer*	" "
7 G. D. Woodrow	*Auditor*	" "
8 E. W. Lippincott	*Mast. Mechanic*	" "

General office, Piedmont, W. Va. Transfer office Union Trust Co., New York, N. Y.

☞ *See note of explanation on first page.*

C. D. HORN, Prest. GRANT WILKINS, Chief Engineer. W. B. MILES, Sec'y & Mngr.

ATLANTA BRIDGE AND AXLE CO.,

PAID IN CAPITAL, $150,000.

DESIGN AND MANUFACTURE

Iron, Steel and Combination Bridges,

Iron Substructures, Turntables, Roofs and Girders.

ATLANTA, GA.

MURPHY & COMPANY,

MANUFACTURERS OF

Railway Surfacers, Varnishes & Japans.

NEW YORK. CLEVELAND.
CHICAGO. ST. LOUIS.

JOHN H. BARKER, President, Michigan City, Ind. JOHN W. OGDEN, Treasurer, Chicago, Ill.
N. P. ROGERS, Secretary, Michigan City, Ind.

HASKELL & BARKER CAR CO.,

Manufacturers of

PASSENGER, BAGGAGE AND FREIGHT CARS.

Works and General Office, - Michigan City, Ind.

Chicago Office, 195 Dearborn Street.

EDWARD D. WHITE & CO.,

MANUFACTURERS OF

Clay Gas Retorts, Fire Brick, Gas House Tile, Blocks, Etc.

MANUFACTORY: OFFICE:
Van Dyke, Elizabeth & Richards Sts., No. 88 Van Dyke Street,
BROOKLYN, N. Y.

Established 1863.

CHARLES B. PAUL,

MANUFACTURER OF

WARRANTED HAND-CUT FILES,

187 Tenth St., Brooklyn, N. Y.

☞ All descriptions of Files made to order. Files RE-CUT and WARRANTED to give satisfaction.
Price List mailed on application.

832 Weston and Buckhannon RR.—Weston to Buckhannon, 15½ miles.

1 J. M. Bennett	*President*	Weston, W. Va.
2 Isaac Jackson	*Vice-President*	Jane Lew, W. Va.
3 M. W. Harrison	*Sec. & Treas*	Weston, W. Va.
4 A. H. Kunst	*G. Supt. & P. A.*	" "
5 E. M. Vandervoort	*G. Ft. & Tk. A.*	" "
6 M. Cleary	*Sup. of Road*	" "
7 T. Connel	*S. of Bridges*	" "

Locomotive and Car Repair Shops at Weston, W. Va.

833 Wheeling and Elm Grove RR.—Wheeling to Elm Grove, 7 miles.

1 J. D. Dubois	*President*	Wheeling, W. Va.
2 E. J. Rutter[1 2 3 4]	*Sec. & Treas*	" "
3 C. Hirsch[5]	*Superintendent*	" "
4 H. Bowers	*Fmn. Shops*	Fulton, W. Va.
5 A. D. Palmer	*Fmn. Track*	" "

General office, Wheeling, W. Va.

834 Wheeling and Lake Erie Ry.—Toledo to Bowerston, 175 miles; Huron Branch, 18 miles.

1 Geo. F. Forrest	*President*	New York, N. Y.
2 D. E. Garrison	*Vice-President*	St. Louis, Mo.
3 E. B. Allen	*Secretary*	New York, N. Y.
4 M. D. Woodford	*Gen. Manager*	Toledo, O.
5 S. H. Ayers	*Auditor*	" "
6 J. M. Hall[6]	*Gen. Pass. Agt.*	" "
7 A. G. Blair	*G. Ft. Agent*	" "
8 H. J. Booth	*A. G. Ft. Agent*	" "
9 C. A. Wilson	*Chief Engineer*	" "
10 A. H. Thorp[3 9]	*Cash. & Paymr.*	" "
11 N. A. Somers	*Train Master*	Norwalk, O.
12 O. P. Dunbar	*Master Mech*	" "
13 John Hillhouse	*Asst. M. Mech.*	" "
14 D. McEntaffer	*Road Master*	" "
15 E. L. Gates[11]	*Gen. Car Agent*	Toledo, O.
16 J. E. Terry	*Gen. Agent*	Pittsburgh, Pa.
17 E. B. Coolidge	*Gen. Agent*	Detroit, Mich.
18 W. R. Woodford	*Purchasing A.*	Toledo, O.
19 Ira Conklin	*Fmn. Car Rep.*	Norwalk, O.

General office, Toledo, O.

835 Whitefield and Jefferson RR.—Whitefield Junction to Jefferson and Camp Carroll, 16 miles.

1 Nathan R. Perkins	*President*	Whitefield, N. H.
2 A. L. Brown	*Superintendent*	" "
3 Samuel N. Bell	*Clerk*	Manchester, N. H.
4 Edward D. Harlow	*Treasurer*	Boston, Mass.
5 Edward Ray	*Cashier*	Jefferson, N. H.
6 Warren G. Brown	*G. Ft. Agent*	Whitefield, N. H.
7 Geo. R. Storer	*G. Tkt. Agent*	Plymouth, N. H.

General office, Whitefield, N. H. Locomotive and Car Repair Shops at Whitefield, N. H.

836 White Water Railroad.

See Ft. Wayne, Cincinnati and Louisville RR.

837 Whitneyville and Machiasport RR.—Whitneyville to Machiasport, 8 miles.

1 John K. Ames	*President*	Machias, Me.
2 C. Sullivan	*Treasurer*	Whitneyville, Me.

838 Wichita and Western RR.

See Atchison, Topeka and Santa Fé Ry.

839 Wicomico and Pocomoke RR.—Salisbury to Ocean City, 30 miles.

1 L. Showell[1 2]	*Pres. & G. Supt.*	Berlin, Md.
2 R. J. Henry[3 4]	*Sec. & Treas*	" "
3 S. McMullan	*Road Master*	" "

840 Wiggins Ferry Co.—Wiggins Car Transfer, Madison County Car Transfer, Illinois and St. Louis Car Transfer.

1 John Scullin	*President*	St. Louis, Mo.
2 A. C. Church	*Vice-President*	" "
3 H. L. Clark	*Sec. & Treas*	" "
4 H. W. Gays	*Manager*	" "

841 Wilkesbarre and Western RR.—Watsontown to Millville, 23 miles.

1 R. T. McCabe	*President*	New York, N. Y.
2 John M. Caldwell	*Treasurer*	Milton, Pa.
3 S. H. Hicks	*Sec. & Supt.*	Watsontown, Pa.

842 Williamsport and North Branch RR.—Hall's to Nordmont, 28 miles.

1 Benj. G. Welch[1 2 3 4]	*Pres. & G. Mgr.*	Hughesville, Pa.
2 De Witt Bodine	*Vice-President*	" "
3 C. W. Woddrop	*Treasurer*	" "
4 B. H. Welch	*Secretary*	" "
5 J. S. Bailey	*G. Accountant*	" "
6 S. D. Townsend	*Auditor*	" "
7 W. A. Mason	*Chief Engineer*	" "
8 G. Woodley	*Mast. Mechanic*	" "
9 Aleck Bubb	*Road Master*	" "

General office, Hughesville, Pa.

843 Williamstown and Delaware River Rds.—Atco to Glassboro, 18 miles.

1 Austin Corbin	*President*	Philadelphia, Pa.
2 A. A. McLeod	*Gen. Manager*	" "
3 Albert Foster	*Secretary*	" "
4 John Welch	*Treasurer*	" "
5 J. Lowrie Bell	*Gen. Traf. Mgr.*	" "
6 C. G. Hancock	*Gen. Pass. Agt.*	" "
7 S. Garwood[1 2 3 4 5]	*Superintendent*	Camden, N. J.

844 Wilmington, Chadbourn and Conwayboro' Ry.—Chadbourn, N. C., to Loris, S. C., 20 miles.

1 W. H. Chadbourn	*President*	Chadbourn, N. C.
2 J. H. Chadbourn, Jr.	*Superintendent*	" "
3 W. H. Chadbourn, Jr	*Chief Engineer*	" "
4 J. B. Chadbourn, Jr.	*Gen. Auditor*	" "

General office, Chadbourn, N. C. Locomotive and Car Repair Shops at Chadbourn, N. C.

845 Wilmington, Columbia and Augusta RR.

See Atlantic Coast Line.

846 Wilmington and Northern RR.

1 H. A. Du Pont	*President*	Wilmington, Del.
2 E. B Shurter	*Sec. & Transf. A.*	" "
3 A. G. McCauseland[2 4 5 7 8 9 10 11]	*Treas. & Supt.*	" "
4 F. B. Hibbard[1]	*G. Pass. & Ft. A.*	" "
5 F. L. Hills	*Chief Engineer*	" "
6 George Rommel	*Mast. Mech*	" "
7 T. B. Townsend[3]	*Auditor*	" "
8 W. K. Harris	*Transfer Agt.*	Coatesville, Pa.

General office, Wilmington, Del.

847 Wilmington and Weldon RR.

See Atlantic Coast Line.

848 Windsor and Annapolis Ry.—Annapolis to Windsor, 84 miles; Intercolonial Ry., 14 miles; Windsor Branch RR., 32 miles.

1 F. Tothill	*President*	London, Eng.
2 W. R. Campbell	*Secretary*	" "
3 P. Innes	*Gen. Manager*	Kentville, N. S.
4 J. W. King	*Asst. Manager*	" "
5 K. Sutherland	*Road Master*	" "
6 John Carroll	*Traf. Supt*	" "
7 P. Gifkins	*G. P. & T. A. & A.*	" "
8 W. Yould	*Mast. Mech*	" "
9 W. Grierson	*M. Car Painter*	" "

General office, Kentville, N. S.

849. Winifrede Railroad.—Winifrede Junction to Winifrede, 5 miles; Coal Branch, 1 mile.

1 Theodore Wright	*President*	Philadelphia, Pa.
2 James A. Wright	*Treasurer*	" "
3 D. W. Chandler	*Secretary*	" "
4 R. B. Cassady	*Superintendent*	Winifrede, W. Va.

General office, 305 Walnut St., Philadelphia, Pa. Locomotive and Car Repair Shops at Winifrede, W. Va.

850 Wisconsin Central Line.—Composed of the Wisconsin Central RR. and its associated and leased lines. Main Lines, St. Paul to Chicago, 462 miles; Rugby Junction to Milwaukee, 25 miles; Abbotsford to Ashland, 133 miles; Stevens Point—Portage Branch, 71 miles; Montelle Branch, 7 miles; Menasha Branch, 1 mile; Rib Lake Branch, 6 miles; Eau Claire Branch, 10 miles; Penokee Branch, 50 miles.

1 John A. Stewart	*Trustee*	Milwaukee, Wis.
2 Edwin H. Abbot	*Trustee*	" "

☞ *See note of explanation on first page.*

850 Wisconsin Central Line—*Continued.*

3 Charles L. Colby	*Trustees' A., Pr., T., L. C.*	Milwaukee, Wis.
4 Edwin H. Abbot	*V.-Pres. & Sec.*	" "
5 F. N. Finney	*Man. Director*	" "
6 Wm. S. Mellen	*Gen. Manager*	" "
7 A. A. Allen	*Asst. G. Mgr.*	" "
8 James Barker[1 2 6]	*A., G.P.&T.A.*	" "
9 H. C. Barlow	*Gen. Fgt. Agt.*	" "
10 B. E. Hand	*Asst Gen. F.A.*	" "
11 Frederick Abbot	*Comp.&Ld.A.*	" "
12 A. Lawrence	*Asst. Comp.*	" "
13 Edward Ferguson	*Auditor*	" "
14 G. J. Sweet	*Asst. Auditor*	" "
15 R.W.Maguire[3 4 9 10]	*Cashier & Pmr.*	" "
16 C. C. McLeod	*Purch. Agent*	" "
17 D. S. Wegg	*Gen. Solicitor*	" "
18 Howard Morris	*Asst. Solicitor*	" "
19 F. A. Merrill	*S., C.M.&E.Div*	" "
20 N. J. Finney	*Asst. Supt.*	" "
21 P. Walling	*Su., M.&N.Div.*	Stevens Pt., Wis.
22 M. J. Higgins	*As.Su.M.&N.D*	" "
23 Chas. F. Waldo	*S., W. & M. M. St. C. & W. RR.'s*	ChippewaF'lls,W
24 Samuel H. Brown	*S.,S.,D. & P.C.*	Stevens Pt., Wis.
25 H. A. Barnes	*Mast. Mech*	" "
26 Wm. Cormack	*M. Car Bldr*	" "
27 Chas. Herriman	*Special Agt*	Milwaukee, Wis.
28 H. C Fuller	*Gen. Agent*	Chicago, Ill.
29 D.L Mahoney[7 8 11]	*Car Account't*	Milwaukee, Wis.
30 W. Peck	*Tim.& Tie Ag.*	Menasha, Wis.

31 *Passenger Agents.*—H. F. Tupper, General Eastern Agent, New York, N. Y.; F. H. Anson, North-western Agent, Minneapolis, Minn. *Travelling Agents:* W. F. Sherwin, New York, N. Y.; Thomas Ridgedale, Montreal, Que.; J. N. Robinson, Milwaukee, Wis.; W. P. Foster, St. Louis, Mo.; J. J. Ferry, Minneapolis, Minn. *City Pass. and Ticket Agents:* C. E. Robb, St. Paul, Minn.; H. C. Fuller, Chicago, Ill.; T. C. Clifford, Milwaukee, Wis.

32 *Freight Agents.*—W. F. Bemis, General Eastern Agent, New York, N. Y.; O. P. Gothlin, Contracting Agent, Pittsburg, Pa. *Travelling Agents:* C. O. G. Watkin, Boston, Mass.; J. J. Winnet, Detroit, Mich.; R B. Wilson, Miles City, Mont.; J. B. Cavanagh, Commercial Agent, Chicago, Ill.; G. T. Huey, North-western Agent, Minneapolis, Minn.

33 *Road Masters.*—William Hancock, Waukesha, Wis.; G. W. Warren, Neenah, Wis.; F. C. Baker, Stevens Point, Wis.; A. A. O'Rourke, J. H. Adolfs, Chippewa Falls, Wis.; J. H. Jannes, Medford, Wis.; M. Gallagher, Ashland, Wis.

General office, Milwaukee, Wis.

851 Wisconsin, Pittsville and Superior Ry.—Dexterville Junction to Pittsville, 10 miles; Vespers Branch, 10 miles; leased lines, 16 miles.

1 George Hiles[3]	*Pres. & Treas.*	Milwaukee, Wis.
2 W. G. Collins	*Vice-President*	" "
3 C. O. Baker[1]	*Secretary*	Dexterville, Wis.
4 John W. Cary	*Gen. Solicitor*	Milwaukee, Wis.

General office, Milwaukee, Wis. Locomotive and Car Repair Shops at Dexterville, Wis.

852 Wood River Branch RR.—Wood River Junction to Hope Valley, 6 miles.

1 Harris Lamphear	*President*	Rockville, R. I.
2 George H. Olney[3]	*Treas., S. & A.*	Hope Valley, R.I.
3 L. M. Barber[1 2 4 6 7 8 10 11 9]	*Superintendent*	" "
4 Henry A. Clark	*Road Master*	" "

Locomotive and Car Repair Shops at Hope Valley, R. I.

853 Woodstock Railroad.—Woodstock to White River Junction, 14 miles.

1 F. Billings	*President*	Woodstock, Vt.
2 J. F. McKenzie	*Vice-President*	" "
3 C. P. Marsh	*Secretary*	" "
4 J. G Porter	*Treas. & Supt.*	" "
5 S. S. Thompson	*Gen. Manager*	Lyndonville, Vt.

Auditors.—Lewis Pratt, F. N. Billings, J. S. Montague, Woodstock, Vt.

General office, Woodstock, Vt.

854 Worcester and Shrewsbury RR.—Worcester to Lake Quinsigamund, 3 miles.

1 H. H. Bigelow	*Pres. & Treas.*	Worcester, Mass.
2 S. K. Kindley	*Auditor*	Springfield, Mass.
3 I. E. Bigelow[5]	*Supt. & Sec.*	Worcester, Mass.
4 L. Bigelow	*Gen. T.& P.A.*	" "
5 C. A. Cleveland	*Mast. Mech*	" "
6 John Sullivan	*Road Master*	" "

General office, Worcester, Mass.

855 York and Peach Bottom Ry.—York to Peach Bottom, 40 miles.

1 C. R. McConkey	*President*	Peach Bottom, Pa.
2 E. G. Smyser	*Treasurer*	York, Pa.
3 F. G. Metzger	*S. & G. Pas. A.*	" "
4 S. M. Manifold[5]	*S.C.E. & Ft.A.*	" "
5 George W. Hoover	*Mas. of Mach*	" "
6 Samuel Rupp	*Mast. Car Rep.*	" "
7 George W. Rupp	*Transf. Agent*	" "
8 M. J. McKinnon	*Auditor*	" "

856 Youghiogeny RR.—Irwin to Sewickley, 12 miles.

1 F. A. Dingee	*President*	Philadelphia, Pa.
2 H. A. Stiles	*Vice-President*	" "
3 A. K. Gregory	*Sec. & Treas.*	" "
4 John F. Wolf	*Supt. & Eng.*	Irwin's, Pa.
5 Albert Ford[5]	*Asst. Supt.*	" "
6 James Fleming	*G. P. & F. Agt*	" "
7 T. Frank Wolf	*Engineer*	" "
8 B. Linden	*R.M., Insp.& F.*	" "
9 Wm. Kelly	*Section Fmn.*	" "
10 J.W. Heintzleman	*Fmn.Rep. Shop*	Penn Station, Pa.

General office, 209 South Third St., Philadelphia, Pa. Repair Yards at Irwin and Sewickley, Pa.

857 Zanesville and Ohio River RR.—Projected from Zanesville to Harmar, 72 miles; completed from Zanesville to Stockport, 36 miles.

1 James Buckingham	*President*	Zanesville, O.
2 William S. Harlan	*Secretary*	" "
3 D. B. Hatch	*Treasurer*	New York, N. Y.
4 E. A. Greene	*Chief Engineer*	Zanesville, O.

General office, Zanesville, O.

☞ *See note of explanation on first page.*

PUBLICATIONS OF THE RAILROAD GAZETTE,

73 BROADWAY, NEW YORK.

Railroad Gazette, an illustrated weekly journal of all departments of railroad business, of practical value to officers and employés. Every man who hopes for promotion should read the *Railroad Gazette.* $4.20 per year. Specimen copies free.

BOOKS.

Mailed, postage prepaid, on receipt of the price. Remittances should be made by registered letter, or post-office order, or draft payable to THE RAILROAD GAZETTE.

Railway Problems: An Enquiry into the Economic Conditions of Railway Working in Different Countries. By J. S. JEANS. Price, $5.00.

Illustrations and Descriptions of Recent Locomotives (1886 Edition). Large quarto volume. Five hundred engravings. (Sent by express at buyer's expense, unless 50 cents additional be remitted to prepay postage.) Reduced price, $3.50.

Catechism of the Locomotive. By M. M. FORNEY. 625 pages, 250 engravings. $2.50.

Car-Builders' Dictionary. Revised edition. 2,188 engravings. Price, $3.00.

Road-Masters' Assistant and Section-Masters' Guide. By WILLIAM S. HUNTINGTON. Revised by CHARLES LATIMER. Price, $1.50.

Elements of Railroading. By CHARLES PAINE. Price, $1.00.

Railway Revenue and Its Collection. (Second edition, revised and enlarged.) By M. M. KIRKMAN. Price, $2.50.

How to Collect Railway Revenue Without Loss. By M. M. KIRKMAN. Price, $2.50.

Railway Expenditures: Their Extent, Object and Economy. By M. M. KIRKMAN. 2 vols. Price, $4.00.

Hand-book of Railway Expenditures. By M. M. KIRKMAN. Price, $2.00.

Railway Service: Trains and Stations. By M. M. KIRKMAN. Price, $2.50.

Baggage, Parcel and Mail Traffic of Railroads. By M. M. KIRKMAN. Price, $2.50.

Terminal Facilities at New York. By GRATZ MORDECAI. Price, $1.50.

PAMPHLETS.

State Railroad Commissions; nature and operation and the laws of all States that have commissions,	$0.50
Local Passenger Traffic (LEE),	.25
The Argument for State Railroad Ownership,	.25
The Verragus Viaduct (PONTZEN),	.40
Standard and Narrow Gauge (VON WEBER),	.25
American Railway Master Mechanics' Association Reports. Each,	1.75
Master Car Builders' Association Reports. Each,	1.00
Track Accounts: How they should be kept (KIRKMAN),	1.00
Mutual Guarantee: Substitutes for bondsmen (KIRKMAN),	.50
Freight Traffic Way-Bill: Illustrated and described (KIRKMAN),	.50

DRAWINGS ON CARDBOARD.

Standard Car and Tender Axle,	$0.20
Standard Journal Bearing and Key,	.20
Standard Journal Box,	.20
Standard Pedestal,	.20
Complete set of above drawings,	.60

Rules governing the Condition of and Repairs to Freight Cars for the interchange of Traffic. (Revised each year by the Master-Builders' Association.) 25 copies, $1,05; $3.50 per 100.

NATIONAL

Car and Locomotive Builder,

Now in its Eighteenth Year,

HAS THE

LARGEST CIRCULATION OF ANY RAILROAD PAPER

AMONG

Managers, Superintendents, Purchasing Agents, Master Mechanics, Master Car Builders, and Railroad Men Generally in the United States and Canada.

OVER 6,000 NEW SUBSCRIBERS IN ONE YEAR.

Advertisers will receive more returns for their money in the NATIONAL CAR AND LOCOMOTIVE BUILDER than any other Railroad paper. We can refer to many of the leading manufacturers in the country who are now using the paper. Also to a large number of Railroad men who do the buying for railroads.

SUBSCRIPTION, $1 A YEAR.

Advertising rates and other information may be had at the office.

NATIONAL CAR & LOCOMOTIVE BUILDER,

Morse Building,

NEW YORK.

THE SEVENTH ANNUAL EDITION OF

THE

National Car & Locomotive Builder

"SUPPLEMENT"

WILL BE PUBLISHED IN JULY, 1887.

1st. WHAT WILL IT CONTAIN?

IT WILL CONTAIN complete lists of every **CAR** and **LOCOMOTIVE BUILDER, AXLE, CAR WHEEL** and **CAR SPRING MANUFACTURER** and all the **RAIL MILLS** in the United States.

Complete lists of the **STREET RAILROADS** in the United States and Canada—their Gauge, Weight of Rail, Mileage, number of Cars and Horses, Officers' names and addresses.

The Railroads (both Steam and Street) in Mexico, Central and South America, and the West Indies, with the Gauge, Weight of Rail, Mileage, number of Cars and Locomotives, Officers' Names and Addresses, etc.

2d. HOW WILL IT BE CIRCULATED?

IT WILL BE DISTRIBUTED *gratuitously* to every person whose name appears in it, and in addition will be sent to every **GENERAL MANAGER, SUPERINTENDENT, PURCHASING AGENT, MASTER MECHANIC, MASTER CAR-BUILDER, MASTER CAR-PAINTER, CHIEF ENGINEER** and **ROAD MASTER** of all Railroads in the United States and Canada.

3d. WILL IT PAY TO ADVERTISE IN IT?

YES: FOR THE REASON that the ADVERTISEMENTS in this paper form a conveniently indexed collection of **TRADE CIRCULARS** of nearly TWO HUNDRED of the best and most responsible Manufacturers of Railroad Material, a collection not to be obtained in any other way; and it is the experience of the publisher, during the past five years, that Railroad Officials and others keep the "Supplement" on their desks or hung near at hand throughout the year for reference, using it not only as a Directory, but as an Illustrated Catalogue.

ANOTHER REASON IS that it enables you to show the different designs or large illustrations of whatever you manufacture, at a comparatively small cost, *less* in fact than it would cost you to send out circulars, and in a much better manner, for circulars are, as a rule, thrown away; but, by having your *circular* bound with others, and in such a convenient form, **IT WILL ALWAYS BE PRESERVED.** The size of the page is 14 inches deep by 9½ inches wide.

We respectfully refer to the prominent manufacturers who have advertised in the paper from its first issue, ***many of them now taking double the space they commenced with.***

4th. HOW MUCH WILL IT COST?

Rates of Advertising:

One Page (14 in. deep, 9½ in. wide), 4 columns to the page,	**$125.00**	**One-half Page,**	**$75.00**
Three-quarters Page,	**100.00**	**One-third Page,**	**60.00**
Two-thirds Page,	**90.00**	**One-quarter Page,**	**50.00**
		One-eighth Page,	**30.00**

Smaller Spaces, $10 for first inch, and $5 for each additional inch (single column, 2⅜ in. wide). Space on the front cover, $25 per inch, single column. Space on the back cover, $10 per inch, single column.

If you wish to insert an advertisement, address

THE NATIONAL CAR & LOCOMOTIVE BUILDER "SUPPLEMENT,"

Morse Building, 140 Nassau St., New York, N. Y.

"Nothing Succeeds Like Success."

ENGINEERING NEWS

D. McN. STAUFFER, A. M. WELLINGTON, } EDITORS.

GEO. H. FROST, BUSINESS MANAGER.

ENGINEERING NEWS is the acknowledged organ of the engineering profession in America, and is indispensable to railroad officers of all grades who want the latest and best information as to railroad technical and construction news.

Features of special interest are:

The Technical News of the Week, summarized in readable fashion on the first page of each issue.

Technical Investigations and Reports of all Important Novelties; Engineering Disasters, etc., the only ones of real value and authority which appear in any journal in this country. Having an expert clientage widely scattered over the continent, it is enabled to investigate all such matters fully and promptly, and does so. As recent examples, we refer to our investigations of the *Woodstock* and *Bussey Bridge* disasters.

News of New Construction is concisely and fully reported, and far more completely and promptly, than it can be found elsewhere. To more thoroughly and conveniently cover this field, ENGINEERING NEWS has recently begun the issue of a series of specially *engraved maps, showing in contrasting colors and by plain symbols the condition of various classes of public works at date of issue.* These maps are published under the general title of the

ENGINEERING NEWS SERIES OF MAPS

OF THE

Progress and Prospects of Construction.

These maps are handsomely engraved in several colors, and will hereafter be published at frequent intervals, so as to cover the whole United States and Canada.

In addition to these special features, ENGINEERING NEWS is the organ for the latest, most correct, and most independent information as to all technical questions connected with railway interests.

SUBSCRIPTION PRICE, $5.00 PER ANNUM.

ADDRESS

ENGINEERING NEWS

TRIBUNE BUILDING, NEW YORK.

THE

RAILWAY NEWS,

PUBLISHED BY

THE RAILWAY NEWS COMPANY,

A Monthly Scientific, Mechanical, Electrical and Financial Journal.

Navigation,

Commerce,

— AND —

Travelling Literature.

Railway

Construction, Operation

— AND —

Management.

A complete Supplement is issued containing current quotations of Railway Materials and Supplies for easy reference by Purchasing Agents. This Price List is the only one of its kind in existence. It was formed under the directions of the Purchasing Agent of one of the largest railroads centering in New York City, and makes the RAILWAY NEWS the most valuable of the various mechanical and railway papers issued in America.

The RAILWAY NEWS has a large staff of Technical Writers.

Offices, - - 52 and 54 New St., New York.

SUBSCRIPTION, $2.00 A YEAR, IN ADVANCE.

THE RAILWAY NEWS contains the latest news, and is full of practical information. It has a large European circulation. Leading experts on the staff for every branch. Technical articles on interesting matters in every number.

RAILWAY WORLD,

PUBLISHED

EVERY SATURDAY,

BY THE

RAILWAY WORLD PUBLISHING COMPANY,

No. 19 South Fifth Street,

PHILADELPHIA.

J. B. ECCLESINE, Jr., *PRESIDENT.*

THOS. W. FERNON, *TREASURER.*

TERMS:

$4 per Annum, in Advance.

Foreign Subscription, $5 per Annum, in Advance.

RAILWAY Managers, Officers and Employés, Railway Mechanics and Engineers, Railway Stock and Bondholders, Dealers in Railway Supplies, Coal Operators, Shippers and Dealers, and all who wish to obtain PROMPT AND ACCURATE INFORMATION relating to railways and coal mines, will find in its weekly contents a large amount of matter of special interest. Advertising rates furnished on application.

E. P. HARRIS, Pres. and Man. Editor.
J. H. McGRAW, Sec'y and Asso. Editor.

GEO. F. FOWLER, Mechanical Editor.
H. M. SURTLAND, Treas.

$1 per Year American Journal OF RAILWAY APPLIANCES Monthly.

NEW YORK. CHICAGO.

A Practical Mechanical Journal,

DESCRIBING AND ILLUSTRATING

NEW RAILWAY APPLIANCES.

Should be in the hands of every railroad official in the mechanical and purchasing departments.

The cheapest advertising medium through which to reach thoroughly the buying officials of railroads.

American Railway Publishing Co.,

113 LIBERTY ST., NEW YORK.

ALSO PUBLISHERS OF THE

STREET RAILWAY JOURNAL,

Devoted wholly to Street Railways,

— AND —

POWER,

Devoted exclusively to the Generation and Transmission of Power.

THE

COAL TRADE JOURNAL.

Published Every Wednesday.

The only Newspaper in the United States entirely devoted to the Interests of the Coal Trade.

— ESTABLISHED APRIL 21, 1869. —

FREDERICK E. SAWARD,

EDITOR AND PROPRIETOR.

Publication Office, 111 Broadway, New York.

THE COAL TRADE JOURNAL is the acknowledged authority on the subject of coal. RELIABLE, PROMPT, CORRECT, INDEPENDENT. It is not local, but gives facts and figures from all parts of the United States. The business done in coal at every principal city, prices, tonnage, qualities dealt in, fully shown. New routes to coal fields, and new processes in the economy of fuel, form an important feature of this Journal.

SUBSCRIPTION, $3.00 A YEAR.

"THE COAL TRADE."

This is the title of our compendium of information relative to coal production, prices, transportation, etc., etc., at home and abroad. Every yearly edition contains facts not presented previously, and, therefore, it is well to have the several volumes.

Price, 50 Cents per Copy.

THE 14TH EDITION IS NOW READY.

LIBRARY OF THE UNIVERSITY OF

ESTABLISHED 1873.

PUBLISHED WEEKLY AT

308-316 DEARBORN STREET, CHICAGO,

By W. B. JUDSON.

Terms: One Year, $4; Six Months, $2, in Advance.

THE LUMBERMAN is published in the interest of its subscribers; consequently it is a curiosity in modern trade journalism. No advertiser can ***buy a line*** in its editorial or news pages. That is what makes it the best advertising medium in the world. A journal in which every other paragraph is a paid "write up," or illustrated puff, is absolutely worthless to the reader; it is worse than worthless, because it is misleading. The LUMBERMAN has information to sell at the rate of $4.00 per year for 18 or 20 pages per week. It gives more pages of reading matter, outside of its advertising—the full number running from 40 to 48 pages each week—than any other journal published at the same price in the world. They contain substantially all the ***lumber news,*** and the weekly reviews of the markets east and west, north and south, are indispensable to any lumberman who cares to keep posted on current events. Its advertising pages contain more valuable information than is given in all the pages of many lumber journals, so-called. As a matter of fact, its advertising pages are of the utmost value to all users of wood-working machinery, as they form a complete ***catalogue*** of the latest and best of all the modern devices used in lumber manufacturing.

THE LUMBERMAN'S HAND-BOOK

OF INSPECTION AND GRADING.

Contains full descriptions of all the known systems of ***Inspecting and Grading Lumber at all Markets*** where any definite system is observed. Particular attention is given to ***Chicago Yard Sorting and Grading,*** both in Pine and Hardwood. Contains also Rules for Classification and Grading of ***Yellow Pine*** Lumber and Timber, with a chapter on ***Log Measurements,*** and a copy of all the Log Rules, or Scales, in use—Doyle's, Scribner's, Lumberman's, Favorite, etc.; Standard Classification of Sawed Shingles; Weights of Dry Lumber, Shingles, etc. It is a standard authority on all questions of inspection, etc., and is a necessity in every well-regulated lumber office. Pocket size, price, mailed to any address, $1.25. A new subscription to ***THE LUMBERMAN*** and a copy of the ***HAND-BOOK,*** $4.50.

W. B. JUDSON, Publisher.

American Manufacturer

— AND —

IRON WORLD.

A REVIEW OF THE IRON, COAL AND ASSOCIATED TRADES.

PUBLISHED EVERY FRIDAY MORNING,

AT

PITTSBURGH, PA.

RATES OF SUBSCRIPTION.

Postage Paid (Per Year).

United States and British America, ... $4.00

All other Countries: $5.00 = £1 = 25 francs = 20 marks = 12 florins = 6 roubles (coin) = 25 lires = 20 pesetas.

RATES OF ADVERTISING.

One Square (12 lines, 1 inch).

One Insertion,	$2.50	Three Months,	$15.00
One Month,	7.50	Six Months,	25.00
One Year,	$40.00		

In bringing the claims of the AMERICAN MANUFACTURER AND IRON WORLD to the notice of those interested in the trades it represents, we desire to state that it is our constant endeavor to give our readers the earliest information of all improvements, as well as to make its columns a weekly review, technical, statistical and commercial, of the industries in which Pittsburgh is so largely interested. It is believed that the opportunities offered a journal established here for securing the promptest and fullest information on these subjects are greater than those at any other point.

Among the subjects to which special attention is given in our columns are the following:

Blast Furnace Work and Statistics.—We give careful attention in our columns to records and statements of blast furnace practice and improvements. The monthly report of furnaces in and out of blast, with capacities, begun first in the MANUFACTURER in 1874, will be continued.

Rolling Mill Work.—We have unsurpassed facilities for securing early and complete information regarding rolling mill practice and improvements, both in iron and steel.

Coal and Coke.—There is no better locality than Pittsburgh to secure information as to bituminous coal and coke. Our Mr. Weeks is the agent of the U. S. Geological Survey for collecting the statistics of coke. A special department is devoted to this subject.

Natural Gas.—A special department is devoted to this subject, in which everything pertaining to it is exhaustively treated by able writers.

Petroleum.—We have an illustrated department devoted to the statistics, transportation and technology of petroleum.

Glass.—We shall endeavor to make our columns a resume of all facts of importance regarding this industry.

Weekly English Correspondence, containing a full review of English industrial and commercial affairs.

Market Reports from all the principal American markets.

Weekly Cable Report of the English iron market.

Manufacturing Notes of general interest from all parts of the country are carefully compiled.

SAMPLES MAILED ON APPLICATION.

Address

AMERICAN MANUFACTURER, Pittsburgh, Pa.

THE TRADESMAN.

The Leading Industrial Journal of the South.

THE SECOND LARGEST SEMI-MONTHLY CLASS JOURNAL PUBLISHED IN AMERICA.

THE TRADESMAN reaches regularly all the leading manufacturers, miners, railroad officials, machinery and hardware dealers, etc., in the 14 Southern States.

BONA FIDE CIRCULATION, GUARANTEED, 7,000.

THE TRADESMAN Auxiliary is issued free to advertisers one week in advance of the regular publication, and furnishes information of all new manufacturing enterprises, enlargements, etc., in the South, and the addresses of all firms likely to require machinery or supplies.

READ WHAT OUR ADVERTISERS SAY:

"We take pleasure in renewing our advertisement in THE TRADESMAN, and know you have done us much good."—*Mitchell & Co. (Leather Pump Packing), Brooklyn.*

"We are well pleased with the results of our advertising with you, and are shipping much of our machinery to the South."—*Standard Machinery Co. (Woodworking Machinery), Bay City, Mich.*

"We know we have derived large benefits from advertising in THE TRADESMAN."—*R. Munroe & Son (Boiler Manuf'rs), Pittsburg.*

"Please run our card another year."—*Rand Drill Co., New York City.*

"We have found THE TRADESMAN an excellent medium for reaching the Southern trade."—*Robinson & Orr, Pittsburg.*

"We take pleasure in renewing our advertisement for another year."—*Goodell & Waters (Woodworking Machinery), Philadelphia.*

"Please continue our card another twelve months."—*H. K. Porter & Co. (Locomotives), Pittsburg.*

"You will please continue our card another year."—*Nat'l Tube Works, McKeesport, Penna.*

"Continue our card; we have found it very beneficial."—*Stearns Mfg. Co. (Woodworking Machinery, etc.), Erie, Penna.*

Out of 50 yearly contracts that expired between December 15, 1886, and March 1, 1887, 41 have been renewed for another twelve months.

READ WHAT OUR EXCHANGES SAY:

"One of the best trade papers in the United States."—*Memphis (Tenn.) Appeal.*
"Its work for the South is marvellous."—*New Orleans (La.) Picayune.*
"One of the ablest class journals in America."—*Louisville (Ky.) Courier-Journal.*
"A credit to America."—*Louisville (Ky.) Post.*
"One of the best class journals in America."—*Am. Woodworker.*
"It is one of the most complete trade publications issued."—*Furniture Worker (Cincinnati).*
"Few class journals in America equal to it."—*New Orleans (La.) South.*

Address

TRADESMAN PUBLISHING CO.,

Chattanooga, Tenn.

BRANCH OFFICES.

BENJ. R. WESTERN ..... No. 8 Broad Street, New York City.
J. M. DAVIS ..... No. 430 Walnut Street, Philadelphia.
CHAS. ROSSITER ..... No. 10 Carondelet Street, New Orleans.
E. L. MAY ..... No. 4 Roden Block, Birmingham, Ala.
S. H. PARVIN'S SONS ..... Cincinnati, Ohio.
DUNCAN R. DORRIS ..... Nashville, Tenn.
S. W. MCGILL ... 433 Main St., Louisville, Ky.
EUGENE GRANBERRY ..... Columbus, Ga.
JAS. R. HOLLIDAY ..... Atlanta, Ga.
S. B. WOODFIN ..... Richmond, Va.
H. P. WEEKS ..... Boston, Mass.
LORD & THOMAS ..... Chicago.

MANUFACTURERS' RECORD

A Weekly Southern Industrial and Hardware Newspaper.

PRICE, $3.00 A YEAR. BALTIMORE, MD. SINGLE COPIES, 10 CENTS.

THE Manufacturers' Record is a weekly paper devoted to the manufacturing, mining and railroad interests, and the general industrial progress of the Southern States.

Information about the South.

The marvellous mineral and timber wealth of the Southern States, their unrivalled capabilities as a manufacturing area, and the astonishing progress they are making in developing their natural resources and in utilizing their facilities for manufacture, are attracting the attention of the whole world. The extent of these resources and advantages is so fully and carefully set forth, and the progress of this development so faithfully chronicled from week to week in the MANUFACTURERS' RECORD, that it is now accepted everywhere as unquestioned authority on Southern affairs, and its statistics and statements are drawn upon by almost every writer or speaker on any Southern topic.

Its weekly issues constitute an authentic history of the industrial progress of the Southern States. It furnishes every week a vast variety of information on Southern affairs that can be gained from no other source. It discusses in its editorial columns and in its correspondence every topic of Southern interest. It will be found of value and interest, not to manufacturers only, but to the general reader as well. It presents the resources and the development of the South in all their phases. To all who are in any way interested or concerned in the prosperity of the South, or who care to keep posted as to the industrial and commercial progress of that section, the MANUFACTURERS' RECORD is indispensable.

Southern Trade.

The MANUFACTURERS' RECORD is a paper that has identified itself with the development of the Southern States: it is the recognized exponent of the South's industrial interests. It has from the beginning made that its special field of labor, and in it it has practically no rival: it stands pre-eminent. In the South it has widespread influence. It is read and quoted and commended in every section of the fourteen Southern States. It numbers among its subscribers the most prominent houses and the officers of the largest corporations in the Southern States; the proprietors of mills and factories in every line of manufacture, leading contractors, hardware dealers, the presidents and managers of railroads, mining companies, pig-iron furnaces, cotton and woollen mills, banks, the owners and managers of saw mills, furniture factories, spoke and handle factories, and other wood-working establishments, flour mills, cotton-seed oil mills, stove foundries, etc., etc. It is not a mere advertising sheet; it is a pushing, live, enterprising, vigorous paper. Its matter is fresh, interesting and original. It differs from all other industrial papers in that it has a specialty—a mission—viz.: the advancement of the South. It is a paper that is not thrown aside, but is read. Its utterances are considered of value, and every issue is looked for with interest by its subscribers.

In view of the importance of the special field of the MANUFACTURERS' RECORD—the South—and its standing and influence in that field, it offers to manufacturers of machinery of all kinds, mill, factory, mine and railroad supplies, hardware, roofing, builders' material, etc., unequalled advantages as an aid in securing a share of the trade of the South, which is assuming such enormous proportions, and which must continue to grow indefinitely.

A Sample Copy will be sent free on application.

MANUFACTURERS' RECORD CO., Publishers,
BALTIMORE, MD.

THE AGE OF STEEL.

A WEEKLY NEWSPAPER DEVOTED TO

Iron, Steel, Hardware, and the Manufacturing Interests of the United States.

THE OLDEST AND BEST OF ITS CLASS WEST OF NEW YORK CITY.

Offices, EQUITABLE BUILDING, ST. LOUIS, MO. Branch Office, 23 PARK ROW, NEW YORK.

THE AGE OF STEEL is a strictly class journal, whose purpose is the dissemination of all news in any way pertaining to the branches of industry to which it is devoted, and it spares no expense in securing the latest and most reliable information from all parts of the United States. It has special correspondents in all the leading trade centres, who furnish it with weekly letters, reviewing the markets, and giving the best information concerning the development of new enterprises and industries.

EXTRACTS FROM A FEW RECENT LETTERS FROM SUBSCRIBERS.

I like your paper very much for the stand you take on the labor question.—E. L. DODD, Oshkosh, Wis.

I assure you I have derived more benefit from your paper than twenty times the cost of subscription.—JOHN AYLWARD, Livermore, California.

You merit the approval of philanthropists everywhere for your exhaustive efforts to settle the labor question. —W. L. WATERS, Watertown, Tenn.

Your paper is very valuable to me.—GEO. W. BRIGGS, Bedford, Iowa.

The letters of Fred Woodrow on the labor question are invaluable.—W. T. HOLLIS, Orlando, Arkansas.

Its timely and able discussion of the mixed industrial question is a feature that should strongly commend it to every thinking man of America.—JOHN MCEWEN, Kansas City, Mo.

It is a bonanza at the price. Its market reports are valuable.—FRANCIS H. EASBY, Philadelphia, Pa.

I always read your paper with interest.—EDWARD EVERETT HALE.

I have been greatly interested in the work you are doing in THE AGE OF STEEL, and in the humane and intelligent methods upon which you are conducting the great discussion of social themes.—DR. WASHINGTON GLADDEN.

I am greatly pleased with THE AGE OF STEEL, and your method of conducting it seems to me to merit great praise.—DR. G. M. STEELE.

I have noticed the broad and comprehensive tone of your publication, and am exceedingly glad you are taking the course you have outlined.—HON. CARROLL D. WRIGHT.

RATES OF ADVERTISING.

One inch	One time,	$1 50	One inch, 6 Months	26 times,	$25 00
" 1 Month	4 times,	5 00	" 12 "	52 "	40 00
" 3 Months	13 "	13 00			

For wide reading columns add 50 per cent.

Specimen copies mailed free of charge to any part of the world. Address

THE AGE OF STEEL, St. Louis, Mo.

---

1 Vol., Large 8vo, 128 Pages, with 123 Illustrations.

PRICE, $2.00.

TRACK:

A COMPLETE MANUAL OF

MAINTENANCE OF WAY.

ACCORDING TO THE LATEST AND BEST PRACTICE ON LEADING AMERICAN RAILROADS.

By W. B. PARSONS, Jr., C. E.,

Engineer-in-charge United States Subway Company; late Roadmaster Susquehanna Division N. Y., L. E. & W. Railroad.

The few really good works which treated of iron rails and their details are now out of date in many features, and valueless as guides to trackmen.

The purpose of this volume is to describe the materials used in the construction and maintenance of the road bed; the tools handled by the trackmen; the appliances and structures connected with the track and in the charge of the track department, and to fully discuss the most profitable manner of doing work.

One of the valuable features of this work is its details of illustration and description. The information given is intended to be precise, accurate, and to the point; and the illustrations are all made from actual working drawings, and are given with such dimensions as are considered requisite.

Wherever possible the cost is given, in days' labor, of the construction of an article, or the doing of a certain piece of work; and when essential, a bill of material has been appended. This feature of cost has been very generally neglected, and its insertion here, it is believed, will be found of material assistance to superintendents and others who have not had an opportunity of personally gaining the information necessary for estimating on new work or checking the cost of work done by their assistants. As prices of material and wages of men are constantly fluctuating, the time necessary to accomplish a certain piece of work has been alone given, as obtained in the author's experience in work done under average conditions.

Address ENGINEERING NEWS PUBLISHING CO.,

12 TRIBUNE BUILDING, NEW YORK.

The Daily Indicator.

The Only Daily Financial Journal in the World.

N. W. JOSSELYN, Editor.

Financial, Railway, Mining, Insurance and Commercial Subjects Treated with Independence, Fairness and Candor, and in the Interest of the People.

Containing extensive, valuable and accurate tables of the Daily Transactions of the Stock Exchange and Mining Boards, with a record of the Highest and Lowest Prices for the Previous Thirty Days.

Extra Stock Tables Issued Monthly, and Sent Free to Regular Yearly Subscribers.

Full lists of Government, Railway, Bank, Insurance, Mining, Gas, Telegraph, Street and Elevated Railway, and other Securities actively dealt in on Wall street, giving last quotations, and *corrected daily.*

THE DAILY INDICATOR is the only daily paper devoted exclusively to Wall Street matters, giving full and accurate reports of all transactions on all the Stock Exchanges, with complete tables of Railroad Stocks and Bonds, together with dates and prices of latest sales; also daily corrected tables of Stocks and Town and City Securities actively dealt in on Wall Street, together with the latest Financial, Mining, Railroad, Insurance and Commercial news, calculated to be of interest to the Banker. Stock Broker, Investor or general business man seeking information in regard to the most important trade interests of the country.

Having no connection with rings or cliques, THE DAILY INDICATOR is both unterrified and unsubsidized. Its discussions on all questions are from an entirely independent standpoint.

THE DAILY INDICATOR

ALSO CONTAINS ALL THE LATEST INFORMATION RELATING TO

WALL STREET MATTERS,

And is more Extensively Quoted by the Press throughout the United States and Canada, and by the Leading London Railway and Financial journals, than any daily business paper published in New York.

TERMS:

$10.00 Per Annum. $6.00 for Six Months.

Trial Subscription for One Month, $1.00.

MAILED TO OUT-OF-TOWN SUBSCRIBERS SIX HOURS IN ADVANCE OF THE NEW YORK MORNING DAILY PAPERS.

☞ Send for Specimen Copy. ☜

THE INDICATOR PUBLISHING COMPANY,

58 BROAD STREET, NEW YORK.

THE

FINANCIAL REVIEW,

PUBLISHED WEEKLY

BY

The Review Publishing Company,

47 Broad Street,

NEW YORK,

CONTAINS

A THOROUGH DIGEST

— OF —

WALL STREET AFFAIRS,

— AND —

AN INTERESTING EPITOME

OF

BANKING NEWS

FROM ALL PARTS OF THE COUNTRY.

T. D. MAITLAND,

EDITOR.

THE FINANCIER.

VOL. VI. A Journal of Current Events Affecting Investments. No. 13.

$5 PER ANNUM. NEW YORK, MARCH 26, 1887. PRICE, TEN CENTS.

LANCASHIRE INSURANCE CO.,

OF

Manchester, England.

Established 1825.

CHIEF OFFICE IN UNITED STATES,

40 & 42 Pine St., NEW YORK CITY.

BANKING HOUSE

—OF—

Henry Clews & Co.,

13 & 15 BROAD ST.,

(Opposite N. Y. Stock Exchange.)

Interest allowed on deposit accounts. At current market rate. Stocks, Bonds, Grain, Provisions, and Petroleum bought and sold on commission for cash, or on margin. Private wire to Chicago, Boston and Phila.

BRANCH OFFICES

(Connected by Wire)

19 West 31st st., Metropolitan Hotel, cor. Prince street, 112 Grand st. near Broadway, 260 Church st. cor. Franklin, 87 Hudson st. Garfield Building, cor. Court and Remsen sts., Brooklyn.

BROWN BROTHERS & CO.,

Philadelphia. New York. Boston.

Alexander Brown & Sons,

BALTIMORE.

BUY AND SELL BILLS OR EXCHANGE ON

GREAT BRITAIN and IRELAND, FRANCE, GERMANY, BELGIUM HOLLAND, SWITZERLAND, NORWAY, DENMARK, SWEDEN, AUSTRALIA, WEST INDIES, and the BRITISH INDIES.

Issue commercial and travellers' credits in sterling, available in any part of the world in francs, for use in Martinique and Guadaloupe, and in dollars for use in the and adjacent countries. Make telegraphic transfers of money between this country and Europe. Make collections of drafts drawn abroad on all points in United States and Canada, and on drafts drawn in the United States on foreign countries, and their London House, Messrs. BROWN, SHIPLEY & Co., receive accounts of American banks, firms and individuals, upon favorable terms.

A. M. Ferris & Kimball,

BANKERS & BROKERS,

55 Broadway, N. Y.

ESTABLISHED 40 YEARS.

Buy and Sell Stocks and Bonds on Commission for Investment or on Margin.

THE FINANCIER CO.

Has Just Issued

A HISTORY OF THE

New York Stock Exchange

With Full Statistical Information

OF ITS TRANSACTIONS.

Fine engraved portraits of its President, MR. JAMES D. SMITH; and Secretary, MR. GEORGE W. ELY; and a handsome view of its interior.

ALSO A HISTORY OF THE

New York and London Clearing House Systems

AND THEIR TRANSACTIONS,

With fine Engravings of their Managers, MR. WM. A. CAMP & MR. GEO. DERBYSHIRE.

PRICE FIFTY CENTS.

UNITED STATES National Bank

OF NEW YORK.

LOGAN C. MURRAY - - - - President.
EVAN G. SHERMAN - - - - - Cashier.

CAPITAL & SURPLUS $1,000,000.

Correspondence of out-of-town banks, which always receives prompt attention, invited. Especial care given to the details of accounts.

Third National Bank,

20 & 22 Nassau St., N. Y.

CAPITAL - - - - - - 1,000,000.

WM. A. BOOTH, President. G. L. HUTCHINGS, Cashier.

Buys and sells foreign exchange. Receives accounts of banks and other corporations, Bankers, merchants, manufacturers and capitalists on equitable terms.

Imperial Fire Insurance Co.

1803

OF LONDON.

UNITED STATES BRANCH RESIDENT MANAGERS.

EASTERN AND MIDDLE STATES

JOHN C. PAIGE,

80 KILBY ST. BOSTON, MASS.

NEW YORK METROPOLITAN DISTRICT.

CHARLES M. PECK,

52 PINE ST. NEW YORK CITY.

WESTERN AND SOUTHERN STATES.

DANIEL C. OSMUN,

188 LA SALLE ST. CHICAGO, ILL.

The Equitable Life Assurance Society.

ASSETS.....$72,000,000.
SURPLUS.....$12,000,000.

This Society pays about four million dollars annually to the widows and orphans of deceased policyholders.

Irving A. Evans & Co.,

BANKERS & BROKERS,

MEMBERS OF

BOSTON, NEW YORK AND PHILADELPHIA STOCK EXCHANGES.

53 STATE STREET,

(Stock Exchange Building)

BOSTON.

"Every year adds to its fulness and value."—*Philadelphia Ledger.*

The forthcoming (Twentieth Annual) number of

Poor's Manual of Railroads

will present more elaborate and comprehensive statistics of the Railway System of the United States than any previous edition. Among the recently introduced features are:

FIRST.—A statement, showing the rates of dividends paid by all the Railway Companies of the United States during eight years—1879 to 1886. The novel arrangement of this statement permits the most careful examination of each company's record during the period which it covers. The amount of capital stock and the dividend periods are stated in every case, and the actual percentages of payments are shown by quarters, so that either the fiscal or calendar years can be compared.

SECOND.—A statement, showing by months and years for a period of nine years—1878 to 1886—the range of prices of the more active stocks and bonds on the lists of the Stock Exchanges in New York, Boston, Philadelphia and Baltimore. Accompanying the dividend table above referred to, this statement will be of great value as a means for studying the connection between dividend payments and stock values. This statement of stock and bond prices has been added at the request of many subscribers to the MANUAL. It has been prepared with great care from the most reliable and authentic sources of information, and cannot fail to be of advantage to investors.

Specimen Pages of these New Features will be found in another part of this Directory.

The MANUAL will be issued in June, 1887. Price, $6.00 per copy, delivered free to any part of the United States and Canada. Address

POOR'S MANUAL OF RAILROADS,

70 WALL STREET, NEW YORK.

RANGE OF STOCK AND BOND VALUES.

From Poor's Manual of the Railroads of the United States for 1886.

The following statement shows by months for eight years, 1878 to 1885, the range of prices of the more active stocks and bonds on the lists of the New York, Boston, Philadelphia and Baltimore Stock Exchanges. Compiled from the most authentic and reliable sources of information.

Stocks, Rate of Par and Years.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Year.	
Albany and Susquehanna ($100) New York Stock Exchange:																										
	High.	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*	*High.*	*Low.*
1878	75	73½	75	74	80	73½	78	75½	83	77	85	80	84	82½	81	80	83	81	83¾	80	81½	80	73½	70½	85	70½
1879	82½	77	87½	79½	82	80	90	82	93	89	92	89½	92	88	92	90	95	88½	100	95	102	99	103½	101	103½	77
1880	104	100	107	104	110½	105½	110	108	107	104	107	104½	107	105	111	107½	111	109½	115	111	120	115	120	119	120	100
1881	124½	120	122	120	123	120	123	122½	131	122½	130	127	....	....	129	125	128	128	....	....	133	133	135	126½	135	120
1882	133	130	132	130	135	130	134	131½	134	134	....	....	....	....	....	....	....	....	....	....	130½	130	131	131	126	126	135	126
1883	....	....	131	128	....	....	131	130	132	132	132½	130	....	....	127	127	132	132	135	131	133	133	134	134	135	127
1884	135	132	135	135	133	133	133	133	133	128	....	....	127	126	133½	131½	132	129	....	....	130	129¾	....	....	135	126
1885	129	128	124	124	130	128	132½	132	133½	132	133	133	130	130	....	....	....	....	130½	130½	140	137	128	128	140	124
Atchison, Topeka and Santa Fe ($100) New York Stock Exchange; listed in November, 1880:																										
1880	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	145½	134½	148	143	148	134½
1881	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1882	....	....	....	....	92½	92½	....	....	....	....	87½	84½	95½	86½	95½	94	95½	93½	87½	86½	85	84	87½	87½	95½	84
1883	....	....	79	78½	80	78½	85½	84	83½	82½	84½	83½	83½	81½	80	79½	83½	83½	82	81	....	....	79½	79½	85½	78½
1884	80½	80½	....	....	79	78½	78½	76	77½	70½	73	62	....	....	76½	71½	79½	71½	....	..	....	....	78	76½	80½	62
1885	78	74	75½	73	70	67½	x72	x69½	71½	66½	....	....	67½	66½	66½	66½	....	....	77½	71½	89	87½	86½	84½	89	66½
Atchison, Topeka and Santa Fe ($100) Boston Stock Exchange:																										
1879	92½	81½	107½	92	108½	100½	107	102	116½	108	117	108	109½	108	113	100	104	98	109½	98½	114	106	124	112	124	81½
1880	x13[illegible]½	123½	146½	139	142½	132	140	122½	132	x117½	120	117½	119½	113½	119½	117	126½	117½	129½	118½	145	x126½	152½	140½	152½	113½
1881	154½	142½	141	130	140	132	139½	133	145½	137½	150	144½	148	141½	143	134	140	134½	149½	134½	142	130	x96	92	154½	92
1882	96½	95½	99	81	92½	78½	92	85½	88	85	88	82½	x95	87½	95½	93½	95½	92½	92½	x86½	87½	82	89	84½	96½	78½
1883	86½	82½	82½	78½	83½	78½	86	x82½	84½	81½	84½	82½	85½	x81½	82½	78	85	82½	84½	80	82½	78½	80½	78½	86½	78
1884	80	69½	79½	75½	79½	78½	79	75½	78½	71	73½	59½	71½	59½	77½	69	74½	70½	73	67	76	68½	78½	75½	80	59½
1885	79½	73½	75½	70½	73	66½	72½	68½	72½	66½	68½	64½	68	63½	71½	66½	70½	67½	78½	68½	89½	78½	88½	83½	89½	63½
Atlanta and Charlotte ($100) Baltimore Stock Exchange:																										
1881	....	..	56	56	76	54	74	72	89	74½	84½	81	81	78½	81½	77	78	76	75	70½	81½	77	82½	79	89	54
1882	82½	80	85	76½	76	69½	74½	72	72	70½	71	65	76½	70½	76½	75½	....	....	68½	60½	63½	62½	64½	62	85	60½
1883	62½	58	63½	60	61	60½	68	61	69	67	68½	67	69	66½	70	70	69	68½	68½	68	71	68	71½	71	71½	58
1884	73	71	77	73	73½	72½	74	73	67	67	65	65	....	....	....	....	....	....	....	....	60	60	....	....	77	60
1885	70	70	69½	69	68	67½	67½	67	69	67	71	70½	80	72	80½	79	77½	77½	80	78	84½	80½	86	86	86	67
Atlantic and Pacific ($100) Boston Stock Exchange:																										
1883	102½	101½	104½	102	102	101½	109½	106½	117½	109½	119½	117	117	117	110	109	109	107	105	103	103	100	100½	98½	119½	98½
1884	93	92	97	95	100	94½	100	100	85	85	80	80	90	80	b10	5	8½	7	7½	6½	8½	6½	8½	7½	100	5
1885	8½	7½	8	7½	7½	6½	8½	6½	8	7½	7½	6½	7½	6½	7½	7½	7½	6½	10½	6½	11½	10	10	8½	11½	6½

Dividends.—The following is the first page of a statement from POOR'S MANUAL FOR 1886, showing the amount of the capital stocks (common and preferred) of the Railroad Companies in the United States paying dividends, with the rate per cent. paid during eight years, 1878 to 1885.

NOTE.—The numerals (1, 2, 3 and 4), represent the quarters of the CALENDAR year in which dividends *were paid*, such dividends being usually paid from the surplus of the quarter or half year preceding. This statement does not include companies which during the period covered by it have ceased to exist through consolidations or otherwise. For fuller details, see statements for the several companies in the body of the Manual.

Dividends marked * were paid either in stock, or in scrip convertible into stock. † Dividend periods have recently been made semi-annual. ‡ Capital stock was increased to its present amount during the period covered by this statement. § Dividend periods recently changed from semi-annual to quarterly. ¶ Also 10 per cent. in stock of C. S. & C. RR. For particulars, see statements of the several companies in the body of the Manual.

Names of Companies.	Close of Fiscal Year.	Capital Stock Dec. 31, 1885. p. Prefer'd. c. Common.	Dividends, When Paid.	Dividends, Where Paid.	Rates per cent. of Dividends Paid During the Eight Calendar Years, 1878 to 1885.																											
					1878				1879				1880				1881				1882				1883				1884				1885			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		$																																		
Addison	June 30	500,000	Aug. & Oct.	Company's Office.	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½
Alabama Gt. Southern	Dec. 31	p. 2,987,650	.....	Farmers' L. & T. Co.	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	6	—	—	6	—	—	—	—	—	—	—	—	—	—	—
Albany & Susquehanna	Sept. 30	3,500,000	Jan. & July	Bk. Com'erce, N. Y.	3½	—	3½	—	2½	—	3½	—	3½	—	2½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—
Albany and Vermont	Sept. 30	600,000	May & Nov.	Bk. Com'erce, N. Y.	—	—	—	—	—	—	—	—	—	—	—	—	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½	—	1½
Arnot and Pine Creek	Sept. 30	255,000	Annually	Treasurer's Office.	—	—	—	—	—	—	—	—	—	5	—	—	—	5	—	—	—	5	—	—	—	5	—	—	—	5	—	—	—	5	—	—
Ashuelot	Sept. 30	210,000	J., A., J. & O.	Springfield, Mass.	—	2	—	—	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	2	1½	1½	1½	2	1½	1½	1½	1½	1½
Atchison, Top. & S. Fé	Dec. 31	‡56,913,250	F., M., A. & N.	95 Milk St., Boston.	—	—	—	—	—	—	3	—	3	1½	2	2	2	2	2	—	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½
Atlanta & Charl'te A. L.	Sept. 30	1,700,000	March & Sept.	Central Trust Co.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2½	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—
Atlanta & West Point	June 30	1,232,200	Jan. & July	Treasurer's Office.	4	—	4	—	4	—	4	—	4	—	4	—	4	—	4	—	3½	—	3½	—	3½	—	3	—	3	—	3	—	3	—	3	—
Atlantic & St. Lawrence	June 30	5,484,000	Mch. & Sept. / Feb. & Aug.	London, Eng. / Portland, Me.	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—
Attleborough Branch	Sept. 30	131,700	Jan. & July	Treasurer's Office.	3½	—	3½	—	3½	—	2½	—	3½	—	2½	—	3½	—	2½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—	3½	—
Augusta & Savannah	Aug. 31	733,700	June & Dec.	Savannah, Ga.	—	3½	—	3½	—	2½	—	3½	—	3½	—	3½	—	2½	—	3½	—	3½	—	3½	—	2½	—	3½	—	3½	—	3½	—	3½	—	3½
Avon, Geneseo & Mt. M.	Sept. 30	225,000	Aug. & Oct.	Treasurer's Office.	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3
Bald Eagle Valley	Dec. 31	‡935,000	Jan. & July	Treasurer's Office.	3	—	3	—	3½	—	3½	—	3	—	4	—	5	—	4	—	4	—	5	—	5	—	5	—	5	—	5	—	—	—	—	—
Balt. & Cum. Val. Ext.	Sept. 30	270,000	Jan. & July	Treasurer's Office.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2½	—	2½	—	3½	—	3½	—	3½	—	2½	—	3½	—	3½	—
Baltimore and Ohio	Sp. 30	c. 14,792,566 / p. 5,000,000	May & Nov. / Jan. & July	Company's Office. / Company's Office.	—	*4	—	*4	*4	—	—	4	—	4	—	5	—	5	—	5	—	5	—	5	—	5	—	5	—	5	—	5	—	5	—	5
					3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—
Bangor & Portland	Dec. 31	‡121,100	Annually, Dec.	Treasurer's Office.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	6	—	—	—	—
Barclay Coal	Dec. 31	1,000,000	March & Nov.†	Company's Office.	1½	1½	1½	1½	1½	1½	1½	2	2	2	2	2	2	2	2	2	2	—	3	—	3	—	—	3	3	—	—	3	3	—	—	3
Bell'f't & Mooseh'd L.	Sept. 30	p. 267,700	May & Nov.	Treasurer's Office.	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	2½	—	—	—	—	—	—	—	—	—	—	—	—
Belleville & Carondelet	Dec. 31	500,000	Annually	Lessee's Office, N.Y.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	6	—	—
Bellv. & Southern Ill.	Dec. 31	p. 1,275,000	May & Nov.	Lessee's Office, N.Y.	—	$\frac{33}{100}$	—	—	—	1$\frac{1}{10}$	—	—	4½	—	—	—	—	2½	—	2½	—	2½	—	2½	*	2½	—	3½	*	2½	—	2½	—	2½	—	2½
Bell's Gap	Nov. 30	‡550,000	Annually	305 Walnut St., Pa.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15	—	—	—	6	—	—	—	3	—	—	—
Bennington & Rutland	June 30	502,000	Annually	Company's Office.	—	—	—	—	—	—	—	—	4	—	—	—	4	—	—	—	4	—	—	—	4	—	—	—	4	—	—	—	—	—	—	—
Berkshire	Sept. 30	600,000	J., A., J. & O.	Treasurer's Office.	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½
Boonv., St. L. & S'th'n.	Dec. 31	‡1,000,000	Annually	Lessee's Office, N.Y.	2½	—	—	—	2½	—	—	—	2½	—	—	—	2½	—	—	—	2½	—	—	—	2½	—	—	—	2½	—	—	—	2½	—	—	—
Boston & Albany	Sept. 30	20,000,000	J., A., J. & O.	Company's Office.	—	4	—	4	—	4	—	4	—	4	—	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Boston, Conc'd & Mon.	Sept. 30	p. 800,000	May & Nov.	Boston Office.	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	3	—	2½

"The great thesaurus of information."—RAILROAD GAZETTE.
"The BEST authority."—LONDON TIMES.

"Unquestionably the most valuable of our statistical annuals."—IRON AGE.

On the opposite page will be found the first page of a new table which is now being prepared for

POOR'S MANUAL OF RAILROADS,

and several pages of which will appear in the forthcoming (Twentieth Annual) number of that standard work. This table will be of incalculable value to all those seeking information in regard to old lines of railroad.

Elsewhere in this Directory will be found specimen pages of other new features of the MANUAL. Subscriptions for the forthcoming number should be sent in NOW, as deliveries will be made in the order in which received.

POOR'S MANUAL,

P. O. Box 232. 70 Wall Street, New York.

"No other country publishes so comprehensive and detailed a work."—BANKERS' MAGAZINE.

"That most useful work."—BOSTON ADVERTISER.
"Ought to be in every counting-house."—JOURNAL OF COMMERCE.

RAILROADS MERGED IN OTHER LINES.

The following statement shows the names of companies which have ceased to exist, the lengths of their completed lines and the names of existing corporations in which title to these roads has become vested.

Name of Old Company.	Termini of Completed Road at the time of its Acquirement.	Length in Miles.	Name of Company by which Acquired, or to whose Statement Reference should be made.	When and how Acquired by Existing Company.
Addison County	Leicester Jc., Vt., to Ticonderoga, Vt.	15.60	Addison	Name changed.
Agricultural Branch	Framingh'm Cen., to Pratts Jc., Mass.	28.98	Old Colony	Consol., March 5, 1883.
Akron Br. of Clevel'd & Pittsb.	Hudson, O., to Millersburg, O	63.75	Cleve., Mt. Vernon & Del.	Consol., Dec. 20, 1869.
Alabama & Chattanooga	Wauhatchie, Tenn., to Meridian, Miss.	290.16	Alabama & Gt. Southern.	January 22, 1877.*
Alabama & Florida	Montgomery, Ala., to Pollard, Ala.	114.00	Mobile & Montgomery	Consolidation in 1863.
Alabama & Florida of Fla.	Pensacola Jc., Ala., to Pensacola, Fla.	44.54	Louisville & Nashville	By purch. in Feb., '80.
Alabama & Mississippi Rivers	Selma, Ala., to York Station, Ala.	81.30	E. Tenn., Virginia & Ga.	Consolidation in 1869.
Alabama & Tennessee Rivers.	Selma, Ala., to Blue Mountain	135.00	E. Tenn., Virginia & Ga.	June, 14, 1881.*
Alabama Central	Selma, Ala., to Lauderdale, Miss.	95.00	E. Tenn., Virginia & Ga.	Consolidation in 1869.
Albany Bridge	Over Mississippi River at Clinton, Ia.	1.10	Chicago & Northwestern.	Purchased in 1881.
Albany & Schenectady	Albany, N. Y., to Schenectady, N. Y.	17.00	N.Y. Central & Hudson R.	Consol., Nov. 1, 1869.
Albany & West Stockbridge	Albany, N. Y., to Massachusetts line.	39.30	Boston & Albany	Consol., Dec. 28, 1870.
Albany Northern	Albany, N. Y., to Waterford Jc., N.Y.	12.18	Albany & Vermont	October 5, 1859.*
Albany, Vermont & Canada	Albany, N. Y., to Waterford Jc., N.Y.	12.18	Albany & Vermont	October 5, 1859.*
Albia, Knoxv'e & Des Moines	Albia, Ia., to Knoxville, Ia.	32.90	Chic., Burling'n & Quincy	B'lt by C., B. & Q. in '75
Alexandria & Bloomfield	No completed road	.....	Missouri, Iowa & Neb.	See statement Mo., Ia. & Neb. RR.
Alexandria & Nebraska City				
Alexandria, London & H'ps'e.	Alexandria, Va., to Hamilton, Va.	44.00	Wash'n, Ohio & Western.	May 9, 1883.*
Allegan & Holland	No road built by this A. & H. RR. Co.	.....	Chicago & W. Michigan.	Thro' cons. G. H. RR.
Allegan & Southeastern	Allegan, Mich., to Monteith, Mich.	11.50	Michigan & Ohio	By purchase in 1883.
Allegany Central	Friendship, N. Y., to Swain's, N. Y.	29.69	Lackawanna & Pittsb'gh.	Consol., Mar. 24, 1883.
Allegany Central, Consd	Olean, N. Y., to Swain's, N. Y.	58.89	Lackawanna & Pittsb'gh.	Consol., Mar. 24, 1883.
Allegheny & Bald Eagle	Road built by Bellefonte & Snowshoe RR. Co.	.....	Bald Eagle Valley	By purchase in 1880.
Allegheny Portage	Hollidaysburg, Pa., to Johnstown, Pa.	36.66	Pennsylvania	Purch. from State, May, 1857.
Alliance & Lake Erie	Alliance, O., to Phalanx, O	25.00	Cleve., Youngst'n & P'tsb.	Purchased in Mar. '81.
Alton & St. Louis	Alton, Ill., to St. Louis, Mo	25.40	Chicago & Alton	Built by C. & A., in '64.
Alton & Sangamon	Alton, Ill., to Bloomington, Ill	130.80	Chicago & Alton	Re-organization St. L., A. & C., Oct., '62.
Amboy, Lans'g & Trav. Bay	Owasso, Mich., to Lansing, Mich.	37.00	Jack'n, Lans'g & Saginaw	By purchase in 1865.
	Lansing, Mich., to Jonesville, Mich.	61.14	Lake Shore & Mich. S'h'n	Built in 1872 by L. S.
American Central	Galva, Ill., to New Boston, Ill.	50.59	Chic., Burling'n & Quincy	B'lt by C., B & Q., in '69
American Fork	Amn. Fork City, U., to Deer Creek, U.	16.00	Abandoned and rails.	taken up in June, '78.
Amherst & Belchertown	Palmer, Ct., to Amherst, Ct.	20.00	New London Northern	By purch. in Mar., '64.
Amherst, Belcht'n & Palmer.	Palmer, Ct., to Amherst, Ct.	20.00	New London Northern	By purch. in Mar., '64.
Anderson, Lebanon & St. L.	Anderson, Ind., to Noblesville, Ind.	19.39	Cleveland, Ind. & St. L.	Name changed, Apr. 1, 1882.
Androscoggin	Brunswick, Me., to Leeds Junc., Me.	26.10	Maine Central	Consol. June 29, 1871.
	Crowley's Jc., Me., to Lewiston, Me.	4.70		
Androscoggin	Leeds Junction to Farmington	36.40	Maine Central	Thro' cons. L. & F. RR., 1873.
Androscoggin & Kennebec	Danville Jc., Me., to Waterville, Me.	54.60	Maine Central	Consol., Oct. 28, 1862.
Appleton & New London	No road built by Co. Built in 1876 by M., L. S. & W.	.....	Milwaukee, L. Sh. & W'n.	Consolidation in 1873.
Arkansas & Grenada	No road built by Ark. & G. RR. Co.	.....	Georgia Pacific	By purchase, G., C. & B., in 1881.
Arkansas Branch	Pilot Knob, Mo., to Mill Springs, Mo.	48.50	St. Louis, Iron Mt. & S'n.	Consol., May 6, 1874.
Arkansas Central	Helena, Ark., to Clarendon, Ark	50.00	Arkansas Midland	Purch. at foreclosure, June 9, 1877.
Arkansas Valley	Kit Carson, Col., to La Junta, Col.	75.50	Sold under foreclosure up by purchasers, and	in 1878; rails taken road abandoned.
Ashtabula & New Lisbon	Niles, O., to Ashtabula, O	39.00	Ashtabula & Pittsburgh	August 21, 1878.*
Atchison & Denver	.....	.....	Atchison, Colorado & Pac.	Consol., June 23, '79.
Atchison & Nebraska	Atchison, Kan., to Lincoln, Neb.	145.74	Chicago, Bur. & Quincy.	Thro' B. & Mo. River
Atchison & Topeka	Road built by A., T. & Santa Fe	.....	Atchison, Top. & San. Fe	By legislative enact't.
Atchison B'ch (C. & S.W. RR.)	.....	29.08	Chicago, Rock Is. & Pac.	Consol., June 1, 1880.
Atchison, Repub. Val. & Pac.	Buffalo Jct. to Scandia, Kan.	15.00	Atchison, Col. & Pacific.	Consol., June 23, 1879.
Atchison, Sol. Valley & Denv.	Concordia to Cawker City, Kan.	47.00	Atchison, Col. & Pacific.	Consol., June 23, 1879.
Athens Br. (N. Y. C. & H. R.)	Schenectady Jct. to Athens, N. Y.	40.39	New York, W. S. & Buff.	By lease in 1883.
Athol & Enfield	.....	.....	Boston & Albany	.....

* Acquired by purchase at foreclosure on date given.

Railway History.

During the past four years a new feature which has been introduced into

Poor's Manual of Railroads

IS A

Complete Historical Sketch of the Growth and Development of all the Leading Railway Lines in the Country.

Among those whose histories have thus appeared in recent numbers of the work are:

The Chicago and Northwestern Railway.
The East Tennessee, Virginia and Georgia Railway.
The Louisville and Nashville Railroad.
Cincinnati, Indianapolis, St. Louis and Chicago Railroad.
The St. Paul, Minneapolis and Manitoba.
Maine Central Railroad.
Central Vermont Railroad.
The Boston and Albany, and many others.

These sketches will continue to be in the future one of the characteristic features of the MANUAL.

Their value to Investors, Statisticians, Lawyers, Railroad Officials and business men generally is evidenced by the commendation which has been given them by numerous subscribers to the work.

POOR'S MANUAL OF RAILROADS,
70 Wall Street, New York.

TO ADVERTISERS.

Poor's Manual of Railroads

Possesses unequalled advantages as a medium for reaching the

RAILWAY INTEREST

and all other Interests which are associated therewith or dependent thereon, as well as the Financial and Commercial Interests of the Country generally. Its reputation in this respect has not been the growth of a year, but is the development of nearly one-fifth of a century—a period which covers the expansion of our Railway System from 39,250 miles to 128,500 miles.

RATES OF ADVERTISING ON APPLICATION.

POOR'S MANUAL,

70 Wall Street, New York, N. Y.

NOW READY.

MONEY AND ITS LAWS:

— EMBRACING —

A HISTORY OF MONETARY THEORIES

— AND —

A HISTORY OF THE CURRENCIES

OF THE

UNITED STATES.

BY

HENRY V. POOR.

Published by H. V. & H. W. POOR, 70 Wall Street, New York.

1 vol., royal octavo, cloth, pp. xl., 623.
Price, $3.50.

Sent, free of Postage, upon receipt of price, by the publishers, and for sale by all booksellers.

Of the excellence and completeness of the work the publishers present the following testimonial:

"The undersigned, having carefully examined the work recently published by Mr. HENRY V. POOR upon the subject of MONEY, hereby express their conviction that he has unfolded its NATURE and LAWS with an amplitude and clearness which have all the force of demonstration. His assumption of treating money as a subject coming within the range of the exact sciences has been well sustained. The application of the principles laid down in the first part of his work cannot fail to restore order in the place of the chaos of opinion which now prevails, and to point out, unmistakably, the conditions necessary to a restoration of the currency of the country to the standard of coin. We commend the work to the public as an able, scholarly, painstaking, and exhaustive treatise upon a subject in which is involved, more than in any other now engaging their attention, the welfare of the people of the United States."

GEORGE S. COE, *President* American Exchange National Bank, New York.
J. D. VERMILYE, *President* Merchants' National Bank, New York.
JOHN CUMMINGS, *President* Shawmut National Bank, Boston, Mass.
JAMES H. BEAL, *President* Second National Bank, Boston, Mass.
WINSLOW, LANIER & CO., *Bankers*, New York.
JAMES A. DUPEE, *Treasurer* Hamilton & Appleton Mfg. Co., Boston, Mass.

Representative Dealers in Contractors' Supplies and Railway Materials generally.

TALLMADGE DELAFIELD,
95 LIBERTY STREET, NEW YORK CITY,
DEALER IN
RAILWAY AND CONTRACTORS' SUPPLIES.
SPECIALTIES:
Rails, Fastenings, Cars, White Oak and Yellow Pine Lumber.
Correspondence Solicited and Quotations Promptly Given.

RAILWAY AND CONTRACTORS' SUPPLIES,
Steel Rails and Fastenings,
HENDERSON'S PIVOT TURNTABLES.
Everything Used in Construction, Equipment and Operations of Railroads.
F. JORDAN, 200 BROADWAY, NEW YORK.

H. ST. GEORGE OFFUTT. T. R. VARICK, JR.
OFFUTT & CO.,
COR. CHURCH & RECTOR STS., NEW YORK,
RAILWAY MATERIAL, STEAMSHIP & MACHINISTS' SUPPLIES.
Southern Agents for the Celebrated "*Standard*" *Steel Works* Cast Steel Tires, Car Axles, Crank Pins, Piston Rods, Heavy and Light Forgings.

FOR SALE.
CONTRACTORS' SUPPLIES OF ALL KINDS,
Railroad Equipment.
Rails, Spikes, etc., Water, Sewer and Gas Pipe, Mill Machinery, Tools and Implements.
WE PAY CASH for Old Iron, Rails, Scrap, and Buy and Sell Old and Second-Hand Property of Every Description. Correspondence Solicited.
BARROWS & CO., 64 and 66 Broadway, New York.

C. W. LEAVITT. ROBT. J. S. WHITE.
C. W. LEAVITT & CO.
161 BROADWAY, N. Y.
Contractors' Supplies, Rails and Railway Equipment.
New and Second-Hand.
Specialty—Rails, Locomotives and Cars for Prompt Delivery.
Correspondence Solicited.

STEEL RAILS,
Foreign and Domestic, Light Sections kept in Stock with all **FASTENINGS, SPIKES,** and **ACCESSORIES,** New and **SECOND-HAND LOCOMOTIVES AND CARS.**
HUMPHREYS & SAYCE,
No. 1 BROADWAY, NEW YORK.

Gunpowder AND BLASTING SUPPLIES.

DYNAMITE

Fuse Caps AND Electric BLASTING APPARATUS.

We can furnish explosive and explosive materials of all kinds in quantities needed for the largest contracts. Send for Illustrated Pamphlet, mailed free.

ÆTNA POWDER COMPANY,

98 Lake Street, Chicago.

Hecla Powder!

MINER'S FRIEND.

THE SAFEST, STRONGEST, BEST

DYNAMITE

For all Hard Blasting and Mining Work.

EXPORT TRADE A SPECIALTY.

Not affected by climatic changes. Thoroughly safe to ship.

CAPS, FUSE AND ELECTRIC GOODS. HARD PAN PRICES.

THE HECLA POWDER COMPANY,

239 Broadway, New York City, U. S. A.

RAILROAD CONTRACTORS.

2. List of Contractors in the United States and Canada whose Specialty is the Construction of Railroads in all Departments of the Work, such as Grading, Tracklaying, Masonry, Bridge and Trestle Building, etc., etc.

Note.—The names here following were for the most part furnished the Directory by Railway officials throughout the country, who in sending them usually certify to their reliability.

Abbott J. E., 725 Grove Street, San Francisco, Cal.
Abrams F. H., Worthington, Ind.
Ackroyd James (Builder), Albany, N. Y.
Adam, Miller & Co., Rome, N. Y.
Adams J. E., Cool Well, Amherst Co., Va.
Adams & Rogers, Detroit, Mich.
Agnew E. W. & Co., Ocala, Fla.
Aiken & Gordon, Columbia, Tenn.
Alexander D. P., Wichita, Kan.
Allen & Nelson, Seattle, W. T.
Allison & Co., Gardner, Ill.
Anderson & Barr, Tribune Building, New York, N. Y.
Andrews J. S., Memphis, Tenn.
Angier Charles, Hancock, Mich.
Appleyard J., Lansing, Mich.
Armie Jackson, Joplin, Mo.
Armington R. D., Providence, R. I.
Armstrong Charles N., Montreal, Can.
Armstrong J. D., Campbellton, N. B.
Arnold Geo. & Co., Memphis, Tenn.
Ayres Abraham, New York City.

Bacon William, Castorville, Mo.
Bagley Jno., Opechee, Mich.
Bagnall Robert, Baden, Mo.
Baker F. O. & Son, Fort Scott, Kan.
Baldwin Chas., Starkville, Miss.
Baldwin J. W., San Francisco, Cal.
Ballantine & Rogers, New Orleans, La.
Banbury Thomas, Pasadena, Cal.
Barker D. L., 27 Weybosset Street, Providence, R. I.
Barr W., 186 Water Street, Pittsburgh, Pa.
Barry T., 114 East Main Street, Richmond, Va.
Bartlett W., Little Rock, Ark.
Bartram & Squiers, Sharon, Conn.
Bates C. J., Major Block, Chicago, Ill.
Bates W. S., Major Block, Chicago, Ill.
Baumgras Julius & Co. (Painters), Syracuse, N. Y.
Baylor E. J. C. & Co., Cedar Rap., Ia.
Bean H. F., Jackson, Mich.
Beckwith & Quackenbush, Washington, D. C., and Mohawk, N.Y.
Bell H. P., Winnipeg, Canada.
Bell J. L. W., Emporia, Kan.
Bell W. W., Jamestown, Dak.
Bennett Nelson, Tacoma, Wash. Ty., and Deer Lodge, Mont. Ty.
Bennett Patrick, Fairmont, W. Va.
Berrick Charles (Builder), Buffalo, N. Y.
Best Peter B., Stockton, N. J.
Bethune, Craney Bros. & Co., St. Joseph, Mo.
Bilsan Charles (Bridge Painter), Albany, N. Y.
Bishop J. W., St. Paul, Minn.
Black & Opt, Columbia, Pa.
Blake Brothers, New York, N. Y.
Bloss V. R., Topeka, Kan.
Bolles J. N., 108 East Monument Street, Baltimore, Md.
Bond E. W., Willoughby, O.
Bondurant & Jopling, Augusta, Ga.
Bootar J. G., 14 Howard Street, San Francisco, Cal.
Booth & Cosgrove, Prescott, Ont.
Booth & Flynn, Pittsburgh, Pa.
Boston Artesian Well Co., Boston, Mass.
Bothwell S., Tyler, Texas.
Botsford A. H., 145 Washington St., St. Louis, Mo.
Bouscaren G., 35 West Fourth St., Cincinnati, O.
Bouton Chas. A., 465 West 33d Street, New York City.
Boyd Jas. A., Boyd's Station, Md.
Bracken Andrew, West Haven, Ct.
Bradbury W. C. & Co., Denver, Col.
Brainerd E., 20 Coenties Slip, New York City.
Breen & Connelly, St. Catharines, Ont.
Brennan P., Owatonna, Minn.
Brennan Thos., Owatonna, Minn.
Briggs John (Builder), Buffalo, N. Y.
Brinknell P. F., Binghamton, N. Y.
Broadhead & Hickey, Scranton, Pa.
Brown G. P., Bowling Green, Mo.
Brown, Howard & Co., New York, N.Y.
Brown J. C., Richibucto and St. Johns, N. B.
Brown J. W., 23 Weybosset Street, Providence, R. I.
Brown J. J., Council Bluffs, Ia.
Brown O. D., Sioux City, Ia.
Brown, Maxwell & Co., St. Stephens, N. B.
Bruce, Barron & Co., Marseilles, Ill.
Bruggeman H., 425 Bush Street, San Francisco, Cal.
Buckley L. L., Hannibal, Mo.
Buckman A. E., 314 Montgomery St., San Francisco, Cal.
Bullock Geo., Philadelphia, Pa.
Bullock Sam'l R. & Co., 11 Wall Street, New York City.
Burk W. F., 31 Milk Street, Boston, Mass.
Burkhalter, J. H., Augusta, Ga.
Burkett G. W., Palestine, Texas.
Burkett & Murphy, Palestine, Texas.
Burlew C. N., Washington, D. C.
Burnes Thos., Dubuque, Ia.
Burnham S. H., Birmingham, Ala.
Burns & Co., Rich Hill, Mo.
Burr J. D., Topeka, Kan.
Burtchall W. D. & Co., Atlanta, Ga.
Burtchall W. D., Norcross, Ga.
Bush Levi L., Bird-in-hand, Pa.
Bush & Kellar, Lancaster, Pa.
Butler J. H., 120 Pine Street, Providence, R. I.
Butler T. A., Lyons, Rico Co., Kan.

Caldwell Robert, St. Johnsbury, Vt.
Call & Funck, Lebanon, Pa.
Campbell Cornelius, Altoona, Pa.
Campbell R. B., Turner Falls, Mass.
Campbell Thomas, Altoona, Pa.
Candee Daniel, Syracuse, N. Y.
Candon M. J., Knoxville, Tenn.
Canton Bridge Co., Canton, O.
Carey Dominick M., Canton, O.
Carlisle J. N. & Bro., Pueblo, Col.
Carroll C. M., Plum Branch, S. C.
Carroll D. W. C. & Co., Pittsburgh, Pa.
Carroll Jas., Kankakee, Ill.
Carroll Patrick, Cumberland, Md.
Carter N. L., Belle Plaine, Kan.
Casement J. S., Painesville, O.
Casey Jas. D., Rochester, N. Y.
Cassin Isaac S., 1404 North 12th Street, Philadelphia, Pa.
Cavanaugh & Crowe, Louisville, Ky.
Chapman W. J., San Francisco, Cal.
Chamberlain Jas., Shoup, Mich.
Chapman William P., Canton, O.
Church & Swain, 73 Water Street, Pittsburgh, Pa.
Clark, Heman & Co., New York, N.Y.
Clarke, Lipe & Co., Denver, Col.
Clemons & Sons, Point Marble Head, O.
Cleveland M. A., Watertown, N. Y.
Cobb Robert, Tionesta, Pa.
Cochran S., Columbus, O.
Codwise B. R., Rockville, Md.
Coffey M., St. Louis, Mo.
Coleman & Rice, Laurens C. H., S. C.
Collins & Larkworthy, Carlinville, Ill.
Collins P. & T., Eighth & Chestnut Streets, Philadelphia, Pa.
Colt J. B. & Son, Clinton, Mo.
Comegys & Lewis, 15 Cortlandt Street, New York, N. Y.
Condons Bros., Knoxville, Tenn.
Conkey Horace, Evansville, Ind.
Connell Thomas, Youngstown, O.
Conrad & Miller, 576 Kearney Street, San Francisco, Cal.
Conway M. W., 687 Monroe Street, Brooklyn, N. Y.
Cook E. H. & Co., Rochester, N. Y.
Cook & Grant, Columbus, O.
Cooks W., St. Paul, Minn.
Coolidge, W. G. & Co., Chicago, Ill.
Coolman E. B., New Albany, Ind.
Cooney, Eckstein & Co., 168 Pearl Street, New York, N. Y.
Cooney J. J. & Co., Memphis, Tenn.
Cooper H. J., St. Paul, Minn.
Cooper Theo., 35 Broadway, New York, N. Y.
Corbett James, Ottawa, Ont.
Corey Bros., Ogden, Utah.
Corrigan Matthew, Cumberland, Md.

The ATLANTIC DYNAMITE CO.

SUCCESSORS TO THE

ATLANTIC, GIANT AND JUDSON POWDER CO'S.

SMALL & SCHRADER,

General Agents.

OFFICES:

245 Broadway, N.Y.

Works: DRAKESVILLE, N.J.

MANUFACTURERS

OF THE

ORIGINAL "GIANT POWDER," THE HIGH EXPLOSIVE.

SAFE,

RELIABLE,

POWERFUL,

EFFECTIVE.

ALSO, MANUFACTURERS OF THE

JUDSON POWDER,

A low grade of high explosive, adapted for all kinds of blasting where powder of less strength than GIANT is required. Much stronger than black powder, far safer to use.

ALSO, DEALERS IN

BLASTING · CAPS, FUSE, ELECTRIC · BATTERIES, ETC.

Costigan Thos., 3115 Sp. Garden Street, Philadelphia, Pa.
Cottingham J. J., Indianapolis, Ind.
Courtney John, Duncan, Ariz. Ty.
Coverdale R. F., 15 East Third Street, Cincinnati, O.
Cox J., Montgomery Street, San Francisco, Cal.
Coyne Joseph, Jeffersonville, Ind.
Cragie, Rafferty & Youmans, Buffalo, N. Y.
Craig W. P., 95 Liberty Street, New York, N. Y.
Craig W. B. & Co., Mankato, Minn.
Craney, Clark & Win, Dallas City, Ill.
Craven Timothy, 38 I Street, Washington, D. C.
Crawford J. P., 16 Court Street, Brooklyn, N. Y.
Cribbett James, Ocala, Fla.
Crimmins John D., Third Avenue & Sixtieth Street, New York, N. Y.
Cross R., 627 Sacramento Street, San Francisco, Cal.
Crouch W. J., Charleston, S. C.
Crowley Fred. C., Borden Block, Chicago, Ill.
Cummings M., Huntingburgh, Ind.
Curtis John R., 810 Classon Avenue, Brooklyn, N. Y.
Curtis & Diver, Keokuk, Ia.
Cutter S. C., Minneapolis. Minn.

Dacey J. B. & Co., Boston, Mass.
Damahy Daniel, Aurora, Ill.
Danby & Richards, Superior, Wis.
Daniels J. J., Rockville, Ind.
Darwin W. R. & Co., 112 Randolph Street, Chicago, Ill.
Davin H., Lexington, Va.
Davis B., 400 Franklin Street, Richmond, Va.
Davis J. R., Atlanta, Ga.
Dawe J. H., Somerville, Mass.
Day F. H., 136 Main Street, San Francisco, Cal.
Dedrick Thos., New Burlington, O.
DeGreaver H., 314 Montgomery Street, San Francisco, Cal.
De Loach W. H., Excelsior, Ga.
Demens, McLain & Cotter, Longwood, Orange County, Fla.
Denithorne R., Phœnixville, Pa.
Denning George A., Augusta, Ga.
Desparlos N., Sioux City, Ia.
Detwiller Bros., El Paso, Tex.
Deville Horace, 193 Lincoln Avenue, Chicago, Ill.
Dexterville Construction Company, Dexterville, Wis.
Dickinson P. P., 7 Nassau Street, New York, N. Y.
Diggins Bros., 528 California Street, San Francisco, Cal.
Dill M. T., Portsmouth, Va.
Diller L. Y., East Berlin, Pa.
Dingman & Berrickisen, Tionesta, Pa.
Dishman C. H., Henderson, Ky.
Dobson P. S., 20 Clifford Street, Providence, R. I.
Dolan Joseph, Pottsville, Pa.
Dolan & Sweeney, Lexington, Ky.
Donelly John, Memphis, Tenn.
Donnelly E., 403 Jones Street, San Francisco, Cal.
Dowling & Kennedy, Binghamton, N. Y.
Dows S. L., Cedar Rapids, Ia.
Douglas F. B., Dayton, O.
Douglass W. A. & Co., temporary address, Leadville, Col.
Drake & Stratton, 71 Broadway, New York, N. Y., and Dayton, Wis.
Duffin T. & Bro., Memphis, Tenn.
Duffy C. W., 501 California Street, San Francisco, Cal.
Dull J. & J., Harrisburg, Pa.
Dunavant & Kelly, Memphis, Tenn.
Dunavant W. P., Memphis, Tenn.
Dunbar C. F., Ft. Colborne, Canada.
Duncan J. A., Las Vegas, N. M.
Duncan Robert, Keokuk, Ia.
Duncan Bros., Killbuck, O.
Dunlap J. C., Monroe, Wis.
Dyer John T., Norristown, Pa.
Dyer J. S., 320 California Street, San Francisco, Cal.

Eager George R., Marietta, Ga.
East Berlin Iron Construction Co., East Berlin, Ct.
Eaton S. D., Burlington, Ia.
Eaton S. S., Logansport, Ind.
Eaton & Daily, Burlington, Ia.
Edward C. H., 35 Hawley Street, Boston, Mass.
Edwards J. N., Stuyes, Miss.
Eidlitz & Son, 308 East Fifty-ninth Street, New York, N. Y.
Elder J. R., New Orleans, La.
Ellis B. F., San Francisco, Cal.
Ellis W. T., Griffin, Ga.
Ellison & Boutwell, Macon, Ga.
Ellsworth F. M. & Co., Rochester, N. Y.
Elmer H. N., St. Paul, Minn.
Emory Simon, Hancock, Mich.
Englis S. E., Toronto, Ont.
Enterprise Construction Co., Ft. Scott, Kan.
Eson John, Toronto, Ont.
Evans G. M., Roanoke, Va.
Evans H. R., 99 Dorrance Street, Providence, R. I.
Evans & Ackerman, Binghamton, N. Y.

Fairbanks, Morse & Co., Chicago, Ill.
Fairchild J. J., Switz City, Ind.
Fairfax Henry, Pulaski, Va.
Fanning & Swan, 19 Chapel Street, Providence, R. I.
Farr & Vincent, Grand Rapids, Mich.
Farren B. N., 1731 Spring Garden St., Philadelphia, Pa.
Favorite Archibald, Hanover, Pa.
Feetham & Porter, Helena, Mont.
Ferguson & Co., San Francisco, Cal.
Ferguson & Co., Macon, Ga.
Ferris & Halliday, 98 Hudson Street, Jersey City, N. J.
Finley D., 10 California Street, San Francisco, Cal.
Fisher H., 638 Market Street, San Francisco, Cal.
Fitzgerald John, Lincoln, Neb.
Fitzgerald & Mallory, Chariton, Ia.
Fitzsimmons C., 100 Washington Street, Chicago, Ill.
Fitzsimmons & Connell, 146 South Water Street, Chicago, Ill.
Fletcher C. K., Bartow, Fla.
Fletcher John F., Nashville, Tenn.
Flynn John, Jr., Des Moines, Ia.
Flynn Joseph, Memphis, Tenn.
Flynn P., Independence, Ia.
Flynt Building & Construction Co., Palmer, Mass.
Foley James, Warm Springs, Ga.
Ford T., Keokuk, Ia.
Fosbrook L. & G. J., Sorel, Can.
Foster & Creighton, Nashville, Tenn.
Foye J. N. & Son, Dubuque, Ia.
Frasier & Donaldson, Washington, Ind.
Frechette Oliver, Sorel, Que.
Freeland & Mackin, Pittsburgh, Pa.
Freeman Archd., 624 North 35th St., Philadelphia, Pa.
Freeze A. C., 3 Mission Street, San Francisco, Cal.
French W. F., 226 Eddy Street, Providence, R. I.
Freret W. A., 37 Carondelet Street, New Orleans, La.
Friday Jacob, Pittsburgh, Pa.
Frost, Stearns & Hooker, Columbus, O.
Fruen & Co., 805 Pine Street, St. Louis, Mo.
Fudge & Kearn, Memphis, Tenn.
Furlong J. W. & Co., 73 Benevolent Street, Providence, R. I.

Gallagher Thos., Rondout, N. Y.
Gardner Simeon B., Wickford, R. I.
Garretson Theo., Pottsville, Pa.
Garvey Bros., 7 Harris Ave., Providence, R. I.
Garvey & Lee, Memphis, Tenn.
Gatchel Chas. A., Buffalo, N. Y.
Gaynor E. J., Pottsville, Pa.
Gerten N., Chicago, Ill.
Gervais A. E., Contrecœur Point, Can.
Gibbins Austin, 312 W. 40th Street, New York, N. Y.
Gibson O. A., West Point, Miss.
Gibson Wm., Beamsville, Ont.
Gibson & Co., West Point, Miss.
Gill J. A., 33 Hawley Street, Boston, Mass.
Gillespie William, Moore's Mills, Charlotte Co., N. B.
Gillies John, Room 71 Astor House, New York, N. Y.
Gold L. O., Delaplane, Va.
Goldsmith Oliver C., La Fayette, Ind.
Gonder J. D. & Bro., Strasburg, Pa.
Goodwin John, Baltimore, Md.
Gordon Clark, Sherbrooke, Que.
Gordon G. H., Sherbrooke, Que.
Gordon John T., Pittsburgh, Pa.
Gorten D., 23 Eddy St., Providence, R. I.
Gould G. T., Athens, O.
Graham John, New York, N. Y.
Graham J. K., Indianapolis, Ind.
Grant A. A., Albuquerque, N. M.
Grant Donald, Faribault, Minn.
Grant John, West Chester, Pa.
Grant & Ross, Winnipeg, Man.
Graves J., 611 Mission St., San Francisco, Cal.
Gray C. E., St. Louis, Mo.
Gray W. H., 56 Illinois St., Chicago, Ill.
Green Joseph N., Bangor, Me.
Green O. B., 178 S. Water St., Chicago, Ill.
Green & Gordon, 239 Federal St., Portland, Me.
Green W. F. & Son, 274 Border St., Boston, Mass.
Green W. L., Carbondale, Kan.
Greene W. H. & Co., Helena, Mont.
Greenough J. H., Robella, Pa.
Grigsby & Bro., Jefferson, Tex.
Grimsley Geo., Waverly, O.
Gruelle N. R. & Co., Ocala, Fla.
Guggarty L., Chillicothe, Ia.
Guggerty & Hart, Ottumwa, Ia.
Gwirmer Fred., Allegheny City, Pa.

Haaf J., 516 Kearney St., San Francisco, Cal.
Hagan J., 432 Kearney St., San Francisco, Cal.
Haines A. G., Glen Falls, N. Y.
Haines D. S., Glen Falls, N. Y.
Haines F. E., Glen Falls, N. Y.
Haley S. M. B., 2207 Fillmore St., San Francisco, Cal.
Hall, Smith, Burns & Co., Portland, Ore.
Halleck Bros., Rootstown, O.
Haller M., Benton & Spruce Sts., Allegheny City, Pa.
Hallett J. L., Dilley, Ore.
Halstead E. M., Keithsburg, Ill.
Hamilton T. H., Toledo, O.
Hammond S. A., 305 Westminster St., Providence, R. I.
Hampson Jos. H., El Paso, Tex., and Leavenworth, Kan.
Hancock C., 620 Shotwell St., San Francisco, Cal.
Hannon, Hurst & Co., Montgomery, Ala.
Harbin Thomas, Puxico, Mo.

The Contractors herein mentioned possess Superior Facilities for Railroad Construction and works connected therewith, and are of known Integrity and Reliability.

MASON, GOOCH AND HOGE COMPANY,

Railroad Contractors and Bridge Builders,

FRANKFORT, KY.

A. W. MILLER. J. D. McDONALD. C. S. PENFIELD.

MILLER, McDONALD & CO.,

RAILROAD CONTRACTORS,

FREMONT, NEB.

Are now grading the Seward Extension of the F. E. & M. V. R. R. Did the grading of the Lincoln extension of the same road. Have had principal contracts for grading from the W. St. L. & P. R. R., W. I. & N. R. R. and K. C. & S. R. R. REFERENCES—Fremont National Bank, Fremont, Neb. Sioux National Bank, Sioux City, Iowa, and Clay County Bank, Spencer, Iowa.

NEFTEL & OOTHOUT,

Engineers and Contractors,

41 Liberty Street, New York.

We make a specialty of street railway work, acting as engineers, or will contract for the construction of new lines. Repairs promptly executed on out of town work. Estimates for warehouse tramways promptly furnished.

ROSS & SANFORD,

Contractors

For Docks, Bridges, Dredging and Railroads,

JERSEY CITY, N. J.

58 South Gay Street, Baltimore, Md. 1420 New York Avenue, Washington, D. C.
116½ Bryan Street, Savannah, Ga.

F. M. DELANO. PHILIP RICHARDSON.

47 Broadway, New York.

Organizers, Promoters and Builders of Street Railroads.

Dealers in Street Railroad Securities. Correspondence invited.

M. W. CONWAY,

STEAM AND STREET RAILWAY CONTRACTOR,

AND DEALER IN

RAILROAD MATERIALS.

Estimates given. Curves and Switches laid at short notice. Office and Residence,
487 Monroe Street, ... Brooklyn, N. Y.

Hardenberg A. J., 120 Broadway, New York, N. Y.
Harding B. L., Des Moines, Ia.
Harper P. C., Arcola, Ga.
Harris D., 916 Geary St., San Francisco, Cal.
Harris Geo. D., Alexandria, Ala.
Harris Gordis D., Keene, N. H.
Harris J., 35 Hawley St., Boston, Mass.
Harris T. Wm., 19 Exchange Place, Boston, Mass
Harrison S. A., Milwaukee, Wis.
Harrison & Green, Milwaukee, Wis.
Harry Wm., Middieport, O.
Hart Chas. & Son, 356 Tenth St., Brooklyn, N. Y.
Hart John, Ottumwa, Ia.
Hartnett J. C., Memphis, Tenn.
Harvey L. S., 1013 Market St., San Francisco, Cal.
Haslett & VanHorne, 15 Cortlandt St., New York, N. Y.
Hatch & Taylor, McKeesport, Pa.
Hathaway & Douglass, 109 Waterman St., Providence, R. I.
Hathaway & Robinson, Cleveland, O.
Hawkins R. F. (Bridges), Springfield, Mass.
Hawkins W. G., Jacksonville, Fla.
Hege Enos, Indianapolis, Ind.
Hemberle & Co., 76 Major Block, Chicago, Ill.
Hendricks J. S., Richmond, Utah.
Hendrie James, Hamilton, Ont.
Hendrie Wm., Hamilton, Ont.
Hendrie, Seymmes & Co., Hamilton, Ont.
Henry & Balch, Minneapolis, Minn.
Heustis Fred. L., Crawfordville, Ind.
Hewitt W. M., Muscatine, Ia.
Hickerson L. D. & Son, Tullahoma, Tenn.
Hicks, Holmes & Co., Indianapolis, Ind.
Higgens & Morris, Grand Rapids, Mich.
Higgins A. G., Spring Grove, Va.
Hill John W., 5th Ave. and Race St., Cincinnati, O.
Hilton A., 826 Buchanan St., St. Louis, Mo.
Hilton Bridge Construction Co., Albany, N. Y.
Hinds, Moffett & Co., Watertown, N. Y.
Hireene Timothy, Waverly, N. Y.
Hoadley J. C., Boston, Mass.
Hoar R. M., Houghton, Mich.
Hoar & Seldon, Houghton, Mich.
Hock T., 516 Kearney St., San Francisco, Cal.
Hoffman H. J., Ackermanville, Pa.
Hogan M. J., St. John, N. B.
Hoge Chas., Frankfort, Ky.
Hogg & Sons, Hannibal, Mo.
Holbrook & Bro., Baltimore, Md.
Holcomb & Cook, Ravenna, O.
Hollis A. E., Wickford, R. I.
Holleran & Ingerman, Noblesville, Ind.
Holmes, Davis & Co., Nashville, Tenn
Holmes Walton B., Kansas City, Mo.
Holt H. S., Winnipeg, Man.
Hopkins Bridge Construction Co., St. Louis, Mo.
Hopkins H. S. & Co., St. Louis, Mo.
Horton N. B., 23 Weybosset St., Providence, R. I.
Houlihan & Madigan, Cohoes, N. Y.
Houser E. L. & C. J., St. Louis, Mo.
Howley & Moran, Pittsburgh, Pa.
Hoxey T. F., Paterson, N. J.
Hughes J. P., Fort Worth, Tex.
Hugill J., Akron, Ohio.
Hull C. P., 73 Weybosset St., Providence, R. I.
Humbird James S., Harrisburg, Pa.
Humbird John, Jr., Cumberland, Md.
Humbird J. Willson, Cumberland, Md.
Humbird J., Sr., Cumberland, Md.
Humbird Jacob & Co., Cumberland, Md.
Hunter John, Sterling Valley, Cayuga Co., N. Y.
Hutchinson & Doheny, Fairmont, W. Va.
Hutton J. T., Morganfield, Ky.
Hutton W. R., 35 Broadway, New York, N. Y.
Huzelgren & Co., Freeport, Ill.

Inman Bros., 32 Liberty St., New York, N. Y.
Innes Thos. B., 115 Broadway, New York, N. Y.

Jackson L. O., Bainbridge, Ga.
Jackson M., Cedar Rapids, Ia.
Jackson J. F. B., Blount Springs, Ala.
Jameson John, Bloomsburg, Pa.
Jenkins J. B., Fort Scott, Kan.
Jenkins & Yerkie, Memphis, Tenn.
Jenkins & Yickes, Fort Scott, Kan.
Jessup James, Lumberton, O.
Jipson W. C., Bliseford, Mich.
Johnson J. B., St. Louis, Mo.
Johnson & Hanson, San Antonio, Tex.
Johnson, Fdy. & Mach. Co., East 118th St. and Harlem River, New York, N. Y.
Jolly A. J. & Sons, Limited, Phillipsburg, Pa., and 419 Smithfield St., Pittsburgh, Pa.
Jones Jno. R., Shreveport, La.
Jones T. Barton, Baltimore, Md.
Jones F. W., Mt. Vernon, O.
Jones & Benner, 218 S. 4th St., Philadelphia, Pa.
Jones & Carey, Fort Worth, Tex.
Jones, Drake & Co., 20 Grant St., Pittsburgh, Pa.
Jones Morgan, Fort Worth, Tex.
Joss S. H., 76 Cross St., Portland, Me.
Joyce Martin, Pittsburgh, Pa.

Kavanaugh Thos., Dubuque, Ia.
Kearney L., 1080 Howard St., San Francisco, Cal.
Keating & Co., Pittsburgh, Pa.
Keeney S. L., 231 Clermont Avenue, Brooklyn, N. Y.
Kellar John, Lancaster, Pa.
Kellar & Bush, Lancaster, Pa.
Kellar & Gall, Lancaster, Pa.
Kellar & Reilly, Lancaster, Pa.
Kelley P., Fernandina, Fla.
Kelley P. H., Portsmouth, O.
Kelley T. H., Sawyer, Mich.
Kelso J., 242 Shotwell St., San Francisco, Cal.
Kelly Geo., North Branch, Mich.
Kelly J. L., 638 Market St., San Francisco, Cal.
Kelly John, Lynchburg, Va.
Kelly M. J., 2912 California St., San Francisco, Cal.
Kelly Patrick, Altoona, Pa.
Kelly Patrick, care of E. H. Wells, Tyler, Tex.
Kennedy J. T. & A. B., Sergeant Bluffs, Ia.
Kennedy & Stone, Topeka, Kan.
Kenricks W. A., Boston, Mass.
Kerns Thos. F., Pottsville, Pa.
Kerr W., 908 Battery St., San Francisco, Cal.
Kiernan Michael, Brighton, Mass.
Kilpatrick Bros., Beatrice, Nev.
Kilpatrick Bros., Oregon, Ill.
King & Dyer, Mahanoy City, Pa.
King M. S., Des Moines, Ia.
Kinsman C. W., 526 Ellis St., San Francisco, Cal.
Kirkendall & McLune Helena, Mont.
Klotz L. E., Mauch Chunk, Pa.
Knight & Bedlow, 239 Federal St., Portland, Me.
Knight & Bonticou, P. O. Box L., Kansas City, Mo.
Knox J. P. & R. H., Allegheny, Pa.
Kuhn W. G., McKeesport, Pa.
Kyner I. H., Omaha, Neb.

Lacey Charles, Keokuk, Ia.
Lai Fong Company, Portland, Ore. (Chinese Labor).
Lally M., Detroit, Mich.
Lane M. D., St. Augustine, Fla.
Lane & Bodley, John and Water Sts., Cincinnati, O.
Lang G., 28 N. Montgomery St., San Francisco, Cal.
Langdon R. B. & Co., Minneapolis, Minn.
Langdon, Winston & Co., St. Paul Minn.
Langford John T., 70 Kilby St., Boston, Mass.
Langford & Bridges, Portland, Ore.
Langhorne C. D., Richmond, Va.
Lantry B. & Sons, Strong City, Kan.
La Pierre F. H., Montreal, Que.
Larsen & Anderson, Seattle, Wash. Terr.
Larson & Keefe, Helena, Mont.
Lary Valentine L., Hoboken, N. J.
Latcha J. A., Marquette, Mich.
Latham L. D. & Co., Winfield, Kan.
Lathrop Austin, Corning, N. Y.
Lauer Bros., St Paul, Minn.
Lawlees A., Hanging Rock, O.
Lawrence R. D., Springfield, Ill.
Lawrence R. D. T., Marietta, Ga.
Leach & Baldwin, 112 S. 8th St., Philadelphia, Pa.
Learned A. J. C., 5 Charles St., Providence, R. I.
Leavitt J. H., 11 Eaton St., Boston, Mass.
Leck C., 486 Montgomery St., San Francisco, Cal.
Lee John C., Council Bluffs, Ia.
Lee P. & Son, Paterson, N. J.
Lee & Garvey, Memphis, Tenn.
Lentz & Co., Vosburg, Pa.
Lepe Charles, Denver, Col.
Lessig M., Chicago, Ill.
Lewis G. F., 64 Waverly St., Providence, R. I.
Lewis L. W., Emporia, Kan.
Lillis James, Kansas City, Mo.
Linchan D. W., Dubuque, Ia.
Linsley D., Ottawa, Ont.
Linton A. H., Minneapolis, Minn.
Livingston C. E., 839 N. 22d St., Philadelphia, Pa.
Lochlin Robert, Hammondsport, N.Y
Lodor D., Windsor Hotel, Trenton, N. J.
London E., Fort Dodge, Ia.
Long E. C. & Co., St. Paul, Minn.
Lost Lewis M., Rochester, N. Y.
Lowe W. B. & Co., Atlanta, Ga.
Lutes R. P., Indianapolis, Ind.
Lyman J. E., Cedar Rapids, Ia.
Lyons G. E., Greenfield, Mass.

McArthur W. & A., Sheboygan, Mich.
McCabe Jno. R., North Berwick, Me.
McCabe L. B. & Bro., Port Deposit, Md.
McCann T. K., Steubenville, O.
McCann Thomas, Brooklyn, N. Y.
McCarthy J. H., Little Rock, Ark.
McCarthy Bros., Franklin, Mass.
McCauley & Gill, Phillipsburg, Pa.
McClallan & Co., Springfield, Mass.
McClure James, St. Paul, Minn.
McClure J. E., Hudson, N. Y.
McClure & Schuler, Bissell Block, Pittsburgh, Pa.
McCormick Ed., Washington, Ia.
McCracken W. V. & Co., 42 Wall St., New York, N. Y., and Salina, Kan.

The Contractors herein mentioned possess Superior Facilities for Railroad Construction and works connected therewith, and are of known Integrity and Reliability.

PRICE & McGAVOCK,

TOPEKA, KAS.

RAILROAD CONTRACTORS.

Have now under contract:

85 Miles for C. S. F. and Cal. R. R.
50 Miles for Southern Kas. R. R.
65 Miles for Denver and Rio Grande R. R.
30 Miles for A. T. and S. F. R. R. in Colorado.

Are prepared to do all kinds of railroad work. Tunnelling and heavy rock work a specialty.

JOHN ESSON,

Contractor,

Arch Masonry, Bridge and Viaduct Masonry, Station Buildings of Brick or Stone. References: G. T. R., C. P. R. & M. C. R. R. Present engagement, a 60-ft. Arch for Double Track, C. S. R. Div. M. C. R.

JOHN ESSON, care of J. D. Hawk, M. C. R., Detroit.

MYLES TIERNEY,

CONTRACTOR,

No. 160 Broadway, ... New York.

ROOM 9. GUERNSEY BUILDING.

Railroads, Water Works and Sewerage a Specialty.

D. F. MINAHAN,

CONTRACTOR,

132 Linden Ave., . . . Springfield, O.

Railroads, Water Works and Sewerage.

WHIDDEN, HILL & CO.,

Builders and Contractors,

101 MILK ST., . . . Room 8, ... BOSTON.

Buildings, Railroad Work, Water and Gas Works and Sewerage Construction.

WM. P. CRAIG,

PRACTICAL BUILDER OF

STREET RAILROADS,

And Dealer in Supplies.

95 Liberty Street, ... NEW YORK.

McCune A., Butte, Mont.
McDermid & Hendrie, Detroit, Mich.
McDonald A., Toronto, Ont.
McDonald Donald, Horton, Mich.
McDonald Hugh, Horton, Mich.
McDonald John, Escuminac, Que.
McDonald & Heald, Chatham, Ont.
McDonald & Shea, Vicksburg, Miss.
McDonell Bros., Grand Rapids, Mich.
McDonnell A., Grand Rapids, Mich.
McDougal J. C., Henderson, Ky.
McDougall & Chesholm, Campbellton, N. B.
McFadden Chas., Philadelphia, Pa.
McFadden C. & Tallman, Phila., Pa.
McFadden C. & Son, Stony Creek, Pa.
McFarlane Henry, Toronto, Ont.
McGann Geo., Toronto, Ont.
McGaw Alex., 410 Walnut St., Philadelphia, Pa.
McGee Geo. J., Corning, N. Y.
McGovern Jos. P., Baltimore, Md.
McGovern & Co., Tyrone, Pa.
McGregor, Kennedy & Co., Escuminac, Que.
McHenry Henry, Horseheads, N. Y.
McIntire J. E., Buffalo, N. Y.
McKee Chris., Belle Valley, O.
McKenzie D. P., Dunham, Ala.
McLain Louis, Sanford, Fla.
McLeon J. H., Coldwater, Mich.
McLaughlin John, Wymore, Neb.
McLaughlin P. R., Junction City, O.
McLaughlin & Reilly, 4933 Wayne Ave., Philadelphia, Pa.
McLeod & Sparks, Fort Smith, Ark.
McMahon & Green, Staunton, Va.
McMahon, Shannahon & Green, Covington, Ky.
McManus Patricius, 3208 Spencer Terrace, West Philadelphia, Pa.
McMurtrie & Woodward, Sault Ste Marie, Mich.
McNamara Thos., Kansas City, Mo.
McNamara W. C., Sioux City, Ia.
McNary J. D., St. Joseph, Mo.
McNichol D., 1312 Race St., Philadelphia, Pa.
McRae & Lally, 75 Winder St., Detroit, Mich.
McTague Peter, Lancaster, Pa.
McTague S., Camden, N. J.
McTighe & Co., Memphis, Tenn.
McWilliams Jos., Council Bluffs, Ia.
MacArthur Bros., St. Paul, Minn.
Machen E. C., Macon, Ga., and 55 Broadway, New York City.
Macklin James, Newburg, N. Y.
Macomber H. G., 66 Matthewson St., Providence, R. I.
Maddock & Evans, Roanoke, Va.
Madeville & Grace, St. Louis, Mo.
Magann G. P., 174 King Street East, Toronto, Ont.
Magary J. E., 528 California St., San Francisco, Cal.
Mallory S. H., Chariton, Ia.
Mallory & Cushing, Omaha, Neb.
Malone Bernard, Columbia, Pa.
Malone Richard, Lancaster, Pa.
Malone Bros., Lancaster, Pa.
Maney Thomas F., 101 Milk St., Boston, Mass.
Mangan P. A., Wymore, Neb.
Marcellus A., Oneida, N. Y.
March James, Lebanon, Pa.
Mars & Miller, 61 N. Wells St., Chicago, Ill.
Marsh Luckey, Fort Madison, Ia.
Martin Wm., Emmetsburgh, Ia.
Mason R. B., S. Branch, Dock Co., Chicago, Ill.
Mason H. P. & Silas, Staunton, Va.
Mason, Hoge & Co., Frankfort, Ky.
Mason, Rosser & Dickey, Staunton, Va.
Masser J. G., Cadillac, Mich.
Massillon Bridge Co., Massillon, O.
Matson John, Toronto, Ont.
Mayhew Chas., Columbia, S. C.
Mayo W. G., 35 Hawley St., Boston, Mass.
Melcher C. W., 620 Chestnut St., St. Louis, Mo.
Mengis M. C., 12 Broadway, New York, N. Y.
Messhon H., Anderson, Ind.
Miller D. J., 284 Broadway, New York, N. Y.
Miller D. L., Lock Haven, Pa.
Miller H. B., Grant's Pass, Ore.
Miller John C., Bangor, Pa.
Miller Bros., 212 S. Water Street, Chicago, Ill.
Miller D. E. & Co., 17 Paca Street, Baltimore, Md.
Miller, Loomis & Gill, Chicago, Ill.
Miller & McDonald, Spencer, Ia.
Milligan A. B., Harrisburg, Pa.
Mills J. E., Quincy, Cal.
Minahan D. F., 182 Linden Ave., Springfield, O.
Mitchell James, Belfast, Me.
Mitchell James, Melrose, Mass.
Mitchell R. P. & Co., Ottawa, Ont.
Mock Eugene, Beatrice, Neb.
Molley John J., Louisville, Ky.
Monroe A., Lawrence, Kan.
Montgomery J. A., Birmingham, Ala.
Montgomery J. B., Portland, Ore.
Montgomery J. S., Starkville, Miss.
Montgomery, Wright & Co., Birmingham, Ala.
Moore Allen, Newton, Kan.
Moore Robert, 335 Chestnut St., St. Louis, Mo.
Moore & Wright, 41 Commercial St., Portland, Me.
Morris Marshall, Louisville, Ky.
Morris & Cummings, 45 Duane St., New York.
Morris, Serpell & Co., Henderson, Ky.
Morrison C. K., 58 Trenton Street, Boston, Mass.
Morrison C. K., Jr., 35 Hawley St., Boston, Mass.
Morrison & Jackson, Lock Haven, Pa.
Morrison W. W. & Co., Lock Haven, Pa.
Mott E. H., Hannibal, Mo.
Muchler S., Phillipsburg, N. J.
Muir Bros., St. Paul, Minn.
Mullins Robert F., 10 Wall St., New York, N. Y.
Murphy J. D., Charleston, S. C.
Murray John, Cedar Rapids, Ia.
Myer H. P., Louisville, Ky.
Myers Thomas & Son (Roofers), Albany, N. Y.
Myrick, Bowman & Co., Holion, Ga.

Natchler J. T., 125 First Ave., Pittsburgh, Pa.
Nead W. J., 1525 Girard Ave., Philadelphia, Pa.
Neftel & Oothout, 41 Liberty St., New York, N. Y.
Nevins J. H., Minneapolis, Minn.
Newmaker W. A., Tionesta, Pa.
Newman J. J., Providence, R. I.
Newman Thos., 147 Driggs St., Brooklyn, E. D., N. Y.
Newton D. H. & J. C., Holyoke, Mass.
Niagara Bridge Works, Buffalo, N.Y.
Nixon W. J., Lawrenceburg, Tenn.
Nolan Edward, Reading, Pa.
Nolan Thomas, Reading, Pa.
Nolan William, Reading, Pa.
Nolan Bros., Reading, Pa.
Nolan & O'Reilly, Reading, Pa.
Norcross Bros., Worcester, Mass.
Nordyke & Marmon, Indianapolis, Ind.
Norton Mr., Waterville, Me.
Norton W. A., 35 Hawley St., Boston, Mass.
O'Brien John, Rhinebeck, N. Y.
O'Brien M., care of Valley R. R., Cleveland, O.
O'Brien & McDonald, Renfrew, Ont.
O'Brien & Rogers, Sideling Hill, Pa.
O'Brien Bros., Fort Dodge, Ia.
O'Brien E. J. & M. M. A., St. Paul, Minn.
O'Connor James, Oswego, N. Y.
O'Hara Bros., Cedar Rapids, Ia.
O'Hara Patrick, temporary address, Brownwood, Mo.
Olson John, Grand Rapids, Mich.
Orcutt C. H., 619 Walnut St., Philadelphia, Pa.
Oregon Construction Co., Portland, Ore.
Orman, Crook & Co., Pueblo, Col.
Ovlatt S. B., Farmingdale, N. J.
Owens David, Newton, Ia.
Owens H. B., Newton, Ia.

Paddock G. H., 135 S. Main Street, Providence, R. I.
Page P., Scranton, Pa.
Paige David R., Akron, O.
Paige, Carey & Co., Yonkers, N. Y., and Akron, O.
Palmer & Storey, 318 Pine Street, San Francisco, Cal.
Pambrook Geo., Livingston, Ky.
Paramore F. W. & Co., St. Francis, Ark.
Parker C. E., Ottumwa, Ia.
Parker C. W., 35 Hawley St., Boston, Mass.
Parquet & Smith, East Portland, Ore.
Patterson J. C., Philadelphia, Pa.
Patton E. B., North Adams, Mass.
Paul John & Co., Tippecanoe, O.
Pearce S. B., 151 Richmond Street, Providence, R. I.
Peoples Robert, Denmark, Ia.
Perkins J. P. & Son, 256 Main Street, Boston, Mass.
Perkins Bros., Birmingham, Ala.
Peterson Chas., 62 Pearl St., Buffalo, N. Y.
Pfeffer J. F. & Co., 709 Coleraine Ave., Cincinnati, O.
Phelps Geo. B., Watertown, N. Y.
Phelps Geo. W., Mt. Morris, N. Y.
Phelps L. N., Lexington Ave., Columbus, O.
Philbrook J., Portland, Me.
Pidgeon Frank, 116 Wall Street, New York, N. Y.
Pillsbury J. J. & Co., Atlanta, Ga.
Pitman W. C., Bangor, Me.
Pitman & Chambliss, Bartow, Fla.
Pitts D. H. & Co., Scottsville, Va.
Poole & Hunt, Baltimore, Md.
Porter Chas. A., 1920 W. 13th St., Philadelphia, Pa.
Post & McCord (Bridges), New York, N. Y.
Potts Geo. S., Farmingdale, N. J.
Powell E. T., Staunton, Va.
Powers John H., Macon, Ga.
Price John P., Topeka, Kan.
Price & McGavock, Topeka, Kan.
Pruyn-Bambrick Construction Co., St. Louis, Mo.
Pugh & Russell, 27 Park Place, New York, N. Y.
Purcell & Grace, Memphis, Tenn.
Putnam & Tobias, New Orleans, La.

Quigley J. F., Wilmington, Del.

Randolph A. B., Jacksonville, Fla.
Raymond & Campbell, Council Bluffs, Ia.
Read S. P. & Co., 281 Fountain St., Providence, R. I.
Ready David, Oil City, Pa.
Rehill John, Jr., Somerville, N. J.
Reil Hugh, Elizabeth, N. J.
Reilly James, Springfield, Mo.
Reilly T. A., Pottsville, Pa.

The Contractors herein mentioned possess Superior Facilities for Railroad Construction and works connected therewith, and are of known Integrity and Reliability.

CHAS. SOOYSMITH, Engineer and Manager. WM. SOOYSMITH, Consulting Engineer.

SOOYSMITH & CO.,

CIVIL ENGINEERS AND CONTRACTORS.

Owners Poetsch Freezing Methods Patents.

This method, now in use in Europe, renders easy and practicable under water operations hitherto impossible, such as Subaqueous Tunnels, Deep Foundations, etc. Design and Build in every part of the country, Bridge Piers, Difficult Foundations, Shafts, Subaqueous Tunnels, etc.

Main Office, 2 Nassau St. (cor. Wall), New York.

P. P. DICKINSON,

M. Am. Soc. C.E.

No. 7 NASSAU ST., NEW YORK,

Consulting Engineer and Contractor.

Railroads Surveyed and Estimates of Cost Furnished. Contracts entered into for the Construction of Railroads, Canals, Water-works, Sewerage, etc. Mineral lands surveyed and reported upon.

W. G. COOLIDGE. R. A. SHAILER. C. R. SCHNIGLAU.

W. G. COOLIDGE & CO.,

ENGINEERS and CONTRACTORS,

DESIGNERS AND BUILDERS OF

BRIDGES, BUILDINGS AND SUBSTRUCTURES.

Office, 36 Montauk Block, Chicago, Ill.

T. SAULPAUGH. JOHN CRUBAUGH. C. H. SAULPAUGH.

T. SAULPAUGH & CO.,

General Railroad Contractors,

BRIDGE MASONRY & DIFFICULT FOUNDATIONS A SPECIALTY.

MINNEAPOLIS, MINN.

T. H. HAMILTON,

Bridge Builder and General Contractor,

ORDERS FOR BRIDGE TIMBER PROMPTLY FILLED.

TOLEDO, OHIO.

THOMAS F. MANEY & CO.,

CONTRACTORS FOR ALL BRANCHES OF

Railroad, Water, Sewerage and Gas Construction.

Estimates given for work, and Contracts promptly executed. Fully equipped with Steam Shovels, Locomotives and Cars. Steam Drills, Steam Hoisters and Derricks.

No. 101 Milk Street, Boston, Mass.

Reilly & Nolan, Reading, Pa.
Rexford Bros. & Hodge, Sage Junction, Mich.
Rexford & Co., 185 Pearl St., New York, N. Y.
Reynolds E. P. & Co., Rock Island, Ill., and Wymore, Neb.
Rice Geo., Pottstown, Pa.
Rice & Coleman, Laurens, S. C.
Rickert T. H., Pottsville, Pa.
Ricker & Lee, Galveston, Tex.
Richardson W. L., 14 Howard Street, San Francisco, Cal.
Richards C. O. & Co., 15 Cortlandt Street, New York, N. Y.
Ring Martin, Minneapolis, Minn.
Robinson Bros., Mt. Forest, Ont.
Rodemer J. C. & Co., Gallatin, Tenn.
Roe Bros., Reading, Pa.
Rogers R. H., Ferrona, N. Y.
Rogers & Ballantyne, P. O. Box 2566, New Orleans, La.
Rooney W. E., Toledo, O.
Roosevelt Warren, 257 South Street, New York, N. Y.
Ross J., Ipswich, Mass.
Ross & Lord, 85 Hawley Street, Boston, Mass.
Ross & Sanford, 104 Hudson Street, Jersey City, N. J.
Ross & Swank, 16 Sampson Street, Allegheny, Pa.
Rouse R. R., 31 W. Maryland Ave., Indianapolis, Ind.
Rowan D. G., St. Catharines, Ont.
Ruark E. W. & Co., Baltimore, Md.
Rusling G. M., Hackettstown, N. J.
Russell & Burk, 18 Howard Street, Boston, Mass.
Rutherfoord John W., 145 Broadway, New York, N. Y.
Ryan C. H., Russellville, Ky.
Ryan J. J., 3962 Girard Avenue, Philadelphia, Pa.
Ryan J. K., Ware, Mass.
Ryan & McDonald, Baltimore, Md.

Sackett Bros., Springfield, Mass.
Salpaw G. W., Charleston, Tenn.
Sands J. A., 15 Public Landing, Cincinnati, O.
Saulpaugh T. & Co., Minneapolis, Minn.
Savage James, Augusta, Me.
Sawyer Chas. H. & R. W., Bangor, Me.
Saxton Edmund, Kansas City, Mo.
Schmidt Chas., Winfield, Kan.
Schneider C. C., 35 Broadway, New York, N. Y.
Scobie James, Delta, Cal.
Scott Bros., Rich Hill, Mo.
Scott John & Sons, St. Louis, Mo.
Schultz C. J., Iron City Bridge Works, Pittsburgh, Pa.
Searles Wm. H., Cleveland, O.
Seeds J. R D., Wilmington, Del.
Seeds W. F., Wilmington, Del.
Seldon H. L., L'Anse, Mich.
Seldon H. P. & Co., Kansas City, Mo.
Seymour S. M., Danville, N. Y.
Shanahan Denis, Louisville, Ky.
Shanahan Thos. & Sons, Portland, Me.
Shanahan T. R., Portland, Me.
Shanley B. M. & J. F., 16 Exchange Place, Jersey City, N. J.
Shaw J., 35 Hawley Street, Boston, Mass.
Shean Daniel, Dubuque, Ia.
Shenfield Conrad, 234 S. 4th Street, Philadelphia, Pa.
Shepherd D. C., St. Paul, Minn.
Sheridan A., St. Joseph, Mo.
Sheridan D., St. Joseph, Mo.
Shonlton Theodore, Port Huron, Mich.
Sias M. P., 35 Hawley Street, Boston, Mass.
Simpson Alex. (Builder), Albany, N. Y.
Simpson & Jordan, Seattle, W. T.
Skelsey E., Des Moines, Ia.
Skinner Bros., Kansas City, Mo.
Small W. H., Walla Walla, Wash. T.
Smith B. F., 256 Washington Street, Boston, Mass.
Smith B. P., Rochester, N. Y.
Smith C. C., Lacrosse, Wis.
Smith C. D. & Co., Birmingham, Ala.
Smith E. D., 1517 N. 16th Street, Philadelphia, Pa.
Smith F. H., 13 German Street, Baltimore, Md.
Smith James N., Brooklyn, N. Y.
Smith J. S, 410 Walnut Street, Philadelphia, Pa.
Smith J. W., Oakland, Cal.
Smith R. D., Birmingham, Ala.
Smith L. P. & J. A., Cleveland, O.
Smith & Ripley, New York, N. Y.
Smyth E. A., St. Catharines, Ont.
Sooysmith & Co., 2 Nassau Street, New York, N. Y.
Sowerly J. D., Campbellton, N. B.
Span R. W., Lawrence, Kan.
Sparks & Evans, 436 Walnut Street, Philadelphia, Pa.
Spear John, Dubuque, Ia.
Spellacy M. & Co., Sabina, O.
Squair H. H., King's Mtn., Lincoln Co., Ky.
Stafford W. H. H., Winona, Minn.
Stahl & Sons, Altoona, Pa.
Stanley A. W., 179 Washington Street, Providence, R. I.
Stanley, Fisher & Co., 91 Central Way, Cleveland, O.
Stansell & Rodes, Asheville, N. C.
Stearns, Frost & Co., Deshler Block, Columbus, O.
Stearns, Shaw & Hoover, Wesley Block, Columbus, O.
Stewart G. S. S., 307 Plum Street, Cincinnati, O.
Stewart James, Lancaster, Pa.
Stewart James, Yonkers, N. Y.
Stewart John E., Andover, N. B.
Stewart John N., Cleveland, O.
Stewart W. H., 307 Plum Street, Cincinnati, O.
Stewart J. Sons, Lancaster, Pa.
Storey W., Rochester, N. Y.
Stow & Matthews, Binghamton, N.Y.
Streeter D. D. & Co., Denver, Col.
Strong Chas. H., Cleveland, O.
Strong W. B., Jr., Kansas City, Mo.
Stuart Herbert, Room 75, 15 Cortlandt Street, New York, N. Y.
Sullivan John, Portchester, N. Y.
Sullivan J. H., Memphis, Tenn.
Sullivan J. M., Columbia, Tenn.
Sullivan W. E, Greenville, S. C.
Summers J. W. & Co., Keokuk, Ia.
Surpell John R., Louisville, Ky.
Swartout P. E. & Co., Delta, Ont.
Sweatt E. G., Woonsocket, R. I.
Sweet & Young, 95 Liberty Street, New York, N. Y.

Taft H S., 13 Ex. Place, Providence, R. I.
Tapp F., Fort Wayne, Ind.
Tarr H. G. H., Yonkers, N. Y.
Taylor & Craig, St. Paul, Minn.
Tebo W. M., 23 South Street, New York, N. Y.
Telfener C. J., Victoria, Tex.
Tennis E. A. & Bro., Thompsontown, Pa.
Thatcher & Breyman, King's Block, Toledo, O.
Thompkins N. A., 220 Eckford Street, Brooklyn, N. Y.
Thompson Geo. & Co., Rochester, N. Y.
Thompson W. A., Seneca, S. C.
Tierney M., 160 Broadway, New York, N. Y.
Tinsman Wm. H., Belvidere, N. J.
Todd W. T., Summerville, S. C.
Townsend S. & F., Pasadena, Cal.
Townsend T. B., Zanesville, O.
Treat C. P., 180 Dearborn Street, Chicago, Ill.
Trenbath Major, Topeka, Kan.
Truman, Isham & Co., 509 Market Street, San Francisco, Cal.
Trumbull & Cheney, 209 Washington Street, Boston, Mass.
Turner J. & Co., 199 Washington Street, Boston, Mass.
Turner William (Builder), Albany, N. Y.
Turton & Knox, Sacramento, Cal.
Twiggs & Buckhalter, Library Bldg., Augusta, Ga.
Twin Wo Company, Portland, Ore. (Chinese labor).

Upp W. W., Columbia, Pa.
Upper James, Kingston, Ont.

Valentine R. L., 141 Greenpoint Avenue, Brooklyn, N. Y.
Van Dyke & Wilson, Williamsport, Pa.
Van Harlingen & McTier, 308 Walnut Street, Room 15, Phila., Pa.
Van Wagner & Degaun, Syracuse, N. Y.
Varnum John, Gainesville, Fla.
Vincent Brothers, Grand Rapids, Mich.
Vincent Mitchell, Onawa, Ia.
Vogt John, Massillon, O.

Waddle John, Cacapon Springs, W. Va.
Waddle Julius, Cacapon Springs, W. Va.
Walker J. W. & Co., Pittsburgh, Pa.
Walton Samuel, Charlestown, W. Va.
Ward John F., 18 Broadway, New York, N. Y.
Ward Peter, Newburg, N. Y.
Ward Wm. H., Lowell, Mass.
Ward Bros., Kennebunk, Me.
Ward, Macklin & Co., Newburg, N.Y.
Wardwell & Russell, 63 Bassett Street, Providence, R. I.
Warren D. D., Springfield, Mass.
Waters & Wright, Bartow, Fla., and Butler, Ga.
Watson W. S., Bradford, Pa.
Watts S., St. Louis, Mo.
Weaver A., 24 Bridge Street, Providence, R. I.
Wellington C. N., Oxford, Mass.
West James, Paris, Tex.
Whalen Jeremiah, Cumberland, Md.
Whalen John, Whitehall, N. Y.
Wharton Wm., Jr., Philadelphia, Pa.
Whelen, Gray, Clark & Trites, Moncton, N. B.
Whidden, Hill & Co, 101 Milk St., Boston, Mass.
Whitcomb F. G., 35 Hawley St., Boston, Mass.
White I. E., 28 Coenties Slip, New York, N. Y.
White Wm. H., 32 Pine St., New York, N. Y.
White & Raeder, New York and Chicago.
Whitney Luther, Keeseville, N. Y.
Whitney & White, New Orleans, La.
Whittam & Skinner, 704 Delaware St., Kansas City, Mo.
Wickham Richard (Builder), Albany, N. Y.
Wilcox A. T., Monroe, Mich.
Wilkins, Post & Co., Atlanta, Ga.
Williams D R. N., Independence, Ia.
Williams & Flynn, Independence, Ia.
Williams, McRitchie & Co., Chicago, Ill.
Wilson Bros. & Co., Philadelphia, Pa.
Wilson & Co., 172 12th St., Toledo, O.
Wilson & Co., Russellville, Ala.
Wilson & Crowley, Chicago, Ill.

Representative Dealers in Contractors' Supplies and Railway Materials generally.

M. J. DRUMMOND,

SELLING AGENT FOR

SCHUYLKILL HAVEN IRON CO.,

RAILROAD SPIKES, BOLTS AND NUTS.

Equitable Building, New York.

J. C. SAXTON,

52 BROADWAY, ... NEW YORK.

Agent for SMITH & CLIFT'S SAND PUMP.

Railway and Contractors' Equipment and Supplies.

MACHINERY AND SUPPLIES FOR SUBMARINE WORK a Specialty. Correspondence solicited.

BLASTING POWDER.

ORANGE SPORTING POWDER. Orange Mills Established 1808. ELECTRIC BLASTING APPARATUS.

Send for Illustrated Pamphlet describing Blasting Apparatus, and showing sizes of grain of Powder, FREE.

LAFLIN & RAND POWDER CO., 29 Murray St., New York.

BRANCH OFFICE, 218 North Second St., St. Louis, Mo.

Williamson & Cassedy,

RAILWAY, MACHINISTS' AND STEAMSHIP SUPPLIES

OF EVERY DESCRIPTION.

24 South Fourth Street, ... *PHILADELPHIA.*

THORNTON N. MOTLEY,

MANUFACTURER AND DEALER IN

RAILWAY, STEAMSHIP & CONTRACTORS' SUPPLIES.

Light and Heavy Hardware and Goods for Export.

2 Liberty Street, ... NEW YORK.

GEO. H. CAREY,

No. 1 BROADWAY, ... NEW YORK.

RAILWAY EQUIPMENT AND SUPPLIES

Of every description used in the construction and maintenance of **RAILROADS.**

Second-hand **LOCOMOTIVES** and **PASSENGER CARS** in good serviceable condition, for **IMMEDIATE DELIVERY.** ☞ Write for description and prices.

Wilson Peter, Denver, Col.
Wingate J. H., Wytheville, Va.
Winson I. & Co., 123 Dorrance St., Providence, R. I.
Winston F. G., Minneapolis, Minn.
Winston P. B. & Co., Mitchell, Dak.
Winston W. O., Minneapolis, Minn.
Winston Bros., Minneapolis, Minn.
Wither E. Q. & Bro., Russellville, Ala., and Memphis, Tenn.
Witherow J. P., 505 Smithfield St., Pittsburgh, Pa.
Wolf John S., Ottumwa, Ia.
Wood A. P., Omaha, Neb.
Wood J. F., 12th and Thompson Sts., Philadelphia, Pa.
Wood & Bancroft, Omaha, Neb.
Woodard E., New Orleans, La.
Wooley C S. & Co., 22 Commercial St., Boston, Mass.
Wright A. H., Greenfield, Mass.
Wright A. R. C., Shelby, N. C.
Wright & Co., Richmond, Va.
Wright John K., Junction City, Kan.
Wright Luther, Richmond, Va.
Wright, Perkins & Co., Birmingham, Ala.
Wright S. M., Chesterhill, Morgan Co., O.

Yerker Victor A., Lancaster, Pa.
Yingling J. A. & Co., Cincinnati, O.
Young N. S., Burlington, Ia.
Young W. R., Paris, Texas.
Young & Robinson, St. Joseph, Mo.
Young, Ryan, Hayes & Co., 31 Milk St., Boston, Mass.

Zimmerman Jacob, Lutesville, Mo.

The Contractors herein mentioned possess Superior Facilities for Railroad Construction and works connected therewith, and are of known Integrity and Reliability.

P. McMANUS,

RAILROAD CONTRACTOR,

Masonry, Tracklaying and Grading a Specialty.

Res.: 3208 Spencer Terrace and 224 North 32d St., Philadelphia, Pa.

Reference: PENN. R. R. Co., Fourth St., Philadelphia, Pa.

E. J. GAYNOR,

Pennsylvania Railroad and General Contractor.

Specialties: Bridge and other Masonry and Graduation. *Railroads for which work has been performed:* New Jersey Central, Morris and Essex, Lehigh Valley, Pennsylvania. Now engaged on extension of Penna. Schuylkill Valley R. R., Gilberton to Shenandoah, Pa. *References:* Geo. B. Roberts, President and J. N. Du Barry, Vice-Pres. Penna. R. R.; Chief Engineer P. F. Brendlinger, of Penna. S. V. R. R. and Pennsylvania Nat. Bank, Pottsville, Pa.

HOME OFFICE, POTTSVILLE, PA.

JAMES J. RYAN,

CONTRACTOR.

Proposals cheerfully given for *Grading, Masonry, Tunnelling* and *Track Laying.* Having all the latest improvements in machinery, I am prepared to execute all contracts in the shortest possible time.

OFFICE: 1126 North 40th St., Philadelphia, Pa.

RAILROAD CONTRACTOR'S BUREAU,

N. E. Cor. 12th St. & Chouteau Ave., ST. LOUIS, MO.

SKILLED ITALIAN RAILROAD LABORERS and miners, with a boss who can speak English with every 50 or 100 laborers.

L. de INTINIS, Propr. and Manager.

Representative Civil and Consulting Engineers.

W. HOWARD WHITE, M. Am. Soc. C. E.,
74 Wall St., New York.

HENRY RAEDER, Engineer and Architect,
918 Insurance Exchange, Chicago, Ill.

WHITE & RAEDER,

Engineers.

Reports on Railroads and other enterprises. Design and Superintendence of all kinds of Engineering, and Landscape and Sanitary Work. Grain Elevators a Specialty.

KNIGHT & BONTECOU,

Mems. Am. Soc. C.E.

CIVIL ENGINEERS.

P. O. BOX L, ... *KANSAS CITY, MO.*

Railway Improvements, Bridges, Plans and Estimates for Water Supply and Sanitary Works, Surveys, and Reports on Public Improvements in Southwestern States.

LOUIS McLAIN,

M. Am. Soc. C. E.
Late Ass't U. S. Eng'r South Pass Jetties,
Division Engineer G. P. R'y, and
Maintenance of Way Eng'r S. F. R. R.

CONSULTING ENGINEER AND CONTRACTOR,

SANFORD, FLORIDA.

Makes a specialty of R. R. Construction and Equipment in cases where it is desired to make payment in Bonds.

HENRY S. PRICHARD,

CIVIL ENGINEER AND INSPECTOR,

Bridges, Roofs, Iron Buildings, etc., Designed and Inspected.

316 WALNUT STREET, - - PHILADELPHIA, PA.

SAMUEL McELROY, C.E.,

Mem. West. Soc. Eng.; Am. Soc. Mech. Eng.

170 Broadway, New York. 50 Johnson St., Brooklyn.

HYDRAULIC AND RAILWAY EXPERT.

37 Years' Practice: Water Works, Canals, Rivers, Harbors, Railways, Engines, Machinery.

EDWARD S. SHAW,

Bridge and Consulting Engineer,

5 PEMBERTON SQUARE, ... BOSTON, MASS.

SPECIALTIES—Bridges, Roofs, Railroad Stations and Buildings.

CAR AXLE MANUFACTURERS.

3. List of Car Axle Manufacturers in the United States and Canada, with the Names of Directors and Officers of the Leading Corporate Organizations.

Ajax Forge Co., Chicago, Ill.

Akron Steam Forge Co., Akron, O. Directors: A. L. Conger, John McGregor, George T. Perkins, George W. Crouse, Charles Rawson. Officers: A. L. Conger, President; John McGregor, Treasurer; Charles Rawson, Superintendent, Akron, O

Allentown (The) Rolling Mills, Allentown, Pa. Directors: Ario Pardee, Hazelton, Pa.; Ario Pardee, Jr., Franklin A. Comly, John R. Fell, Henry C. Cochran, Philadelphia, Pa. Officers: A. Pardee, Jr., President, Philadelphia, Pa.; H. W. Allison, Secretary, Treasurer and Superintendent; Frederick S. Guerber, Manager of Switchand Signal Department, Allentown, Pa.

Atglen Axle and Iron Manufacturing Co., Atglen, Pa.

Bass Foundry and Machine Works. See Car Axle Manufacturing Co.

Baugh Steam Forge Co., Detroit, Mich. Officers: James McMillan, President; Hugh McMillan, Vice-President; W. K. Anderson, Treasurer; R. D. Field, Secretary; John B. Baugh, General Manager; S. A. Baugh, Superintendent, Detroit, Mich.

Bethlehem Iron Co., Bethlehem, Pa. Directors: Alfred Hunt, Robert H. Sayre, William W. Thurston, E. P. Wilbur, Robert P. Linderman, Bethlehem, Pa.; John Knecht, Freemansburg, Pa.; Joseph Wharton, Philadelphia, Pa. Officers: Alfred Hunt, President; William W. Thurston, Vice-President; C. O. Brunner, Treasurer; Abraham S. Schropp, Secretary; Robert H. Sayre, General Manager; John Fritz, General Superintendent, Bethlehem, Pa.

Boston Forge Co., Boston, Mass.

Bridgewater Iron Co., Bridgewater, Mass.

Buffalo Steam Forge. Gould & Stimson, Proprietors, Buffalo, N. Y.

Cape and Anchor Works, Gloucester, Mass. Directors: George R. Bradford. N. H. Phillips, W. N. Fisher, W. F. Fisher, George Clark, Gloucester, Mass. Officers: N. H. Phillips, President; George R. Bradford, Treasurer; F. A. Fisher, Secretary; W. N. Fisher, General Manager, Gloucester, Mass.

Cambria Iron and Steel Works. See Rail Mills.

Carnegie, Phipps & Co. See Rail Mills.

Catasauqua Manufacturing Co., Catasauqua, Pa. Mills at Catasauqua and Ferndale, Pa. Officers: Oliver Williams, President; John Williams, Secretary; Henry Davis, Treasurer; W. P. Hopkins, Superintendent, Catasauqua, Pa.; Edward Edwards, Superintendent, Ferndale, Pa.; Justice Cox, Jr., & Co., 224 South Fourth Street, Philadelphia, Pa., and E. T. Day, 95 Liberty Street, New York, N. Y., Selling Agents.

Central Iron and Steel Co., Brazil, Ind. Directors: D. W. Minshall, Terre Haute, Ind.; M. A. Johnson, Chicago, Ill.; John G. Bryson, Charles Minshall, Major Collins, Brazil, Ind. Officers: Major Collins, President and General Manager; Charles Minshall, Secretary and Treasurer, Brazil, Ind.

Chicago Forge and Bolt Co., Chicago, Ill. Directors: John Crerar, J. McG. Adams, A. E. Adams, Frederick M. Steele, Francis King, Chicago, Ill. Officers: A. E. Adams, President; Francis King, Treasurer; Frederick M. Steele, Secretary; C. Weatherson, General Superintendent, Chicago, Ill.

Cincinnati Forge and Iron Co., south-west corner Plum and McFarland streets, Cincinnati, O. Works, Front Street, below Mill Creek. Officers: E. Pollak, President; Joseph Block, Vice-President and Treasurer; E. Benjamin, Secretary, Cincinnati, O.

Cleveland City Forge and Iron Co., Cleveland, O. Officers: R. H. Harman, President, New York, N. Y.; L. M. Coe, Vice-President and Manager; G. F. Ely, Secretary and Treasurer, Cleveland, O.

Cleveland Rolling Mill Co., Cleveland, O. Directors: William Chisholm, J. H. Wade, H. B. Payne, J. H. Wade, Jr., W. B. Chisholm, Cleveland, O. Officers: William Chisholm, President; W. B. Chisholm, Vice-President; Edward S. Page, Secretary, Cleveland, O.

Cole Manufacturing Co., Lake Village, N. H.

Colorado Coal and Iron Co. See Rail Mills.

Cuyahoga Forge and Iron Co., Cuyahoga Falls, O.

Delaney Forge and Iron Co., Buffalo, N. Y.

Depere Steam Forge, West Depere, Wis.

Detroit Bridge and Iron Works, Detroit, Mich. Directors: Willard S. Pope, William C. Colburn, William L. Baker, Detroit, Mich. Officers: Willard S. Pope, President and Engineer; Henry C. Colburn, Cashier; George Stark, Master of Machinery; J. W. Stoughton, Superintendent of Bridges, Detroit, Mich.

Ensign Manufacturing Co., Huntington, W. Va. Directors: William H. Barnum, Lime Rock, Conn.; F. E. Canda, Isaac E. Gates, New York, N. Y.; E. Ensign, D. W. Emmons, Huntington, W. Va. Officers: William H. Barnum, President, Lime Rock, Conn.; F. E. Canda, Vice-President, 11 Pine Street, New York, N. Y.; E. Ensign, Secretary and Treasurer, Huntington, W. Va.; John W. Savin, General Agent, 11 Pine Street, New York, N. Y., John H. Hehnion, Superintendent Car Department; I. R. Titus and H. M. Ensign, Foremen of Foundry; George H. Day, Superintendent of Forge, Huntington, W. Va.

Erie Forge Co., Erie, Pa.

Eastern Forge Co., Portland, Me. Works at East Deering, Me. Directors: H. N. Jose, George F. Morse, A. A. Strout, M. T. Denham, Portland, Me.; T. W. Hyde, Bath, Me. Officers: H. N. Jose, President; M. T. Denham, Treasurer and Agent, Portland, Me.

Franconia Iron and Steel Works, Wareham, Mass. James C. Warr, Lessee, Wareham, Mass.

Frankford Steel Co., Frankford, Pa. Adam Tindel, Proprietor, Frankford, Pa.

Green Ridge Iron Works. See Rail Mills.

Helmbacher Forge and Rolling Mill Co., north-west corner Fifth and Market streets, St. Louis, Mo. Directors: Aloise Helmbacher, Michael Helmbacher, James Green, George S. Edgell, G. L. Goetz, St. Louis, Mo. Officers: James Green, President and Treasurer; George S. Edgell, Vice-President; G. L. Goetz, Secretary; Aloise Helmbacher, Superintendent, St. Louis, Mo.

Hudson River Iron Co., Poughkeepsie, N. Y.

Hussey, Howe & Co., Limited, Penn Avenue and Seventeenth Street, Pittsburgh, Pa. Officers: C. G. Hussey, Chairman; James W. Brown, Treasurer; J. J. Young, Manager. Branch offices, 3 Cliff Street, New York, N. Y.; 127 Oliver Street., Boston, Mass.; 210 Lake Street, Chicago, Ill.

Johnson, J. R. & Co., Richmond, Va.

Johnson Forge Co., Wilmington, Del.

Kansas Rolling Mill, Kansas City, Mo.

Kinsley Iron and Machine Co., Canton, Mass. Directors: Oakes A. Ames, Cyrus Lathrop, North Easton, Mass.; Oliver Ames, Frederick L. Ames, Boston, Mass.; Frank M. Ames, Edward Eager, Canton, Mass. Officers: Frederick L. Ames, President, Boston, Mass.; Edward Eager, Secretary and Treasurer; Frank M. Ames, General Manager, Canton, Mass.

La Belle Steel Works. Owned by Smith Bros. & Co., Pittsburgh, Pa. Selling Agents: Wetherell Bros., 31 Oliver Street, Boston, Mass., and 115 Liberty Street, New York, N. Y.; and C. E. James & Co., Chattanooga, Tenn.

Representative Civil and Consulting Engineers.

ALBERT LUCIUS,

CIVIL AND MECHANICAL ENGINEER,

71 Broadway, New York.

All kinds of Engineering Structures, Plans, Specifications, Estimates, Superintendence, Bridge Inspection and Reports.

THEODORE COOPER,

Consulting Engineer,

35 BROADWAY, - - - - - - NEW YORK.

Plans, Estimates and Specifications Furnished for Bridges, Viaducts, Piers, Roofs or other Structures in iron, steel or wood. Shops and Foundations. Construction superintended.

WM. H. SEARLES, C.E.,

Civil and Consulting Engineer,

MERCHANTS' BANK BUILDING, CLEVELAND, O.

Railways, Hydraulic Works, Bridges, Foundations, Masonry, Etc.

C. C. SCHNEIDER,

Civil and Mechanical Engineer,

35 BROADWAY, - - - - - NEW YORK.

All kinds of Iron and Steel Structures, Railroad Shops. LONG SPANS, CANTILEVER AND DRAW BRIDGES A SPECIALTY.

G. BOUSCAREN,

Consulting Engineer,

35 WEST FOURTH ST., . . . CINCINNATI, O.

Construction of Railways, Foundations and Superstructure of Bridges and Viaducts. Plans, Specifications and Estimates Furnished for all Engineering Work. Examinations and Reports made of Railway Properties.

LEO VON ROSENBERG,

No. 35 Broadway, - - - New York.

Drawings of Maps, Machinery, etc. Illustrations, Maps, etc., for Prospectuses, Reports, Catalogues, Circulars, etc., Engraved, Printed, or Photo-lithographed Tracings, Blue Prints, Patent Drawings. Mining and Railroad Maps a Specialty.

Lackawanna Iron and Steel Works. See Rail Mills.
Laclede Rolling Mill, St. Louis, Mo.
Lake Erie Iron Company, Cleveland, O. Officers: W. C. Scofield, President; Edward Lewis, Vice-President; C. W. Scofield, Secretary and Treasurer; James Lewis, Mill Superintendent; F. R. Scofield, Factory Superintendent, Cleveland, O.
Lehigh Car, Wheel and Axle Works. See Car Builders.
Linden Steel Co., Limited, Linden Station (B. and O. RR.), Pa. Branch office, Lewis Building, Pittsburgh, Pa. Officers: W. J. Lewis, President; Henry Lloyd, Vice-President; Cephus Taylor, Secretary; M. D. W. Loomis, Treasurer; Richard Hurrell, Manager.
Long & Co. See Vulcan Forge and Iron Co.
Louisville Steam Forge Co., Louisville, Ky. Directors: Norvin Green, New York, N. Y.; J. B. Wilder, John E. Green, Warren Green, Jacob Losey, Louisville, Ky. Officers: Norvin Green, President, New York, N. Y.; John E. Green, Vice-President, Secretary and Treasurer; Jacob Losey, General Manager, Louisville, Ky.
Lynchburg Iron Co., Lynchburg, Va. Officers: E. B. Grubb, President; Alexander Van Rensselaer, Philadelphia, Pa.; William H. Patterson, Secretary, Treasurer and General Manager, Lynchburg, Va.
Macpherson, Willard & Co., Bordentown, N. J.
McKee, Fuller & Co., Catasauqua, Pa.
Michigan Car Co. See Car Wheel Manufacturers.
Midvale Steel Co. Works and main office, Nicetown and 338 Walnut Street, Philadelphia, Pa. Officers: William Sellers, President; Marriott C. Smyth, Secretary and Treasurer; R. W. Davenport, Superintendent, Philadelphia, Pa.
Milton Iron Co., Milton, Pa. Directors: W. A. Schreyer, S. W. Murray, John McCleery, H. J. Heinen, Milton, Pa.; C. L. Munson, Williamsport, Pa. Officers: W. A. Schreyer, President, Milton, Pa.; John M. Young, Treasurer, Williamsport, Pa.; Frederick M. Kelly, Secretary; John Jenkins, General Manager, Milton, Pa.
Nashua Iron and Steel Co., Nashua, N. H.
New Albany Steam Forge Co., New Albany, Ind. Directors: Charles Sackett, Thomas W. Armstrong, Edward J. Brooks, John S. Day, Isaac S. Winstanley, New Albany, Ind. Officers: Charles Sackett, President; George E. Sackett, Secretary and Treasurer; J. T. Wright, General Superintendent, New Albany, Ind.
Noble Bros., Anniston, Ala.
Nova Scotia Forge Co., New Glasgow, Nova Scotia.
Old Fort Iron Works, Brownsville, Pa.
Otis Iron and Steel Works, Cleveland, O. Directors: Charles A. Otis, Daniel P. Eells, E. B. Thomas, S. T. Wellman, Thomas Jopling, Cleveland, O. Officers: Charles A. Otis, President; Thomas Jopling, Treasurer; J. K. Bole, Secretary; Samuel T. Wellman Superintendent, Cleveland, O.
Pacific Rolling Mill Co., San Francisco, Cal.
Paterson Iron Co., Paterson, N. J.
Pencoyd Iron Works. Owned by A. & P. Roberts & Co., 261 South Fourth Street, Philadelphia, Pa.
Penn Iron Co., Lancaster, Pa. Officers: A. J. Steinman, Chairman; C. S. Foltz, Secretary and Treasurer; W. B. Middleton, Superintendent Lancaster, Pa.
Pennsylvania Steel Co., Steelton, Pa. Directors: Samuel M. Felton, Henry H. Houston, Charlemagne Tower, Edmund Smith, Luther S. Bent, William M. Spackman, Steelton, Pa. Officers: Samuel M. Felton, President, Philadelphia, Pa.; Luther S. Bent, Vice-President and General Manager, Steelton, Pa.; Eben F. Barker, Secretary and Treasurer, Philadelphia, Pa.; Frederick W. Wood, Superintendent; Edgar C. Felton, Assistant Superintendent; George W. Parsons, Superintendent of Frog, Switch and Signal Department, Steelton, Pa.
Pittsburgh Forge and Iron Co., Pittsburgh, Pa. Officers: Calvin E. Wells, President and Treasurer; James K. Verner, Secretary, Pittsburgh, Pa.
Prosser, Thomas & Son. See Car Wheel Manufacturers.
Pullman Palace-Car Co. See Sleeping-Car Companies.
Rhode Island Locomotive Works. See Locomotive Builders.
Roberts, A. & P. & Co. See Pencoyd Iron Works.
St. Louis Steam Forge and Rolling Mills. Owned by A. McDonald & Bro., corner Main and Miller streets, St. Louis, Mo.
Silver Iron Works, Salt Lake City, Utah.
Sizer, W. S., Steam Forge, Buffalo, N. Y.
Spencer & Price, Scranton, Pa.
Swift's Iron and Steel Works, Cincinnati, O.
Taylor Iron Works. See Car Wheel Manufacturers.
Tredegar Iron Works. Owned by Tredegar Co., Richmond, Va. Directors: Joseph R. Anderson, Archer Anderson, R. S. Archer, F. T. Glasgow, E. L. Hobson, Richmond, Va.; I. R. Anderson, Lees, Goochland County, Va. Officers: Joseph R. Anderson, President; Archer Anderson, Vice-President and Treasurer; John F. T. Anderson, Secretary; Robert S. Archer, Superintendent Rolling Mill; F. T. Glasgow, Superintendent Foundry and Car Shops; E. R. Archer, Chief Engineer, Richmond, Va.
Troy Steel and Iron Co., Troy, N. Y. Directors: Erastus Corning, Selden E. Marvin, Albany, N. Y.; Chester Griswold, L. B. Cannon, Alexander J. Leith, H. N. Rogers, Benjamin Brewster, New York, N. Y.; Charles W. Tillinghast, William Kemp, Troy, N. Y. Officers: Chester Griswold, President, New York, N. Y.; Erastus Corning, Vice-President; Selden E. Marvin, Secretary and Treasurer, Albany, N. Y.; Robert W. Hunt, Superintendent, Troy, N. Y.
Vulcan Forge and Iron Works. Owned by Long & Co., Pittsburgh, Pa.
Ward Axle, Brake & Coupling Co., Monongahela City, Pa. Directors: W. C. Aughinbaugh, I. B. Miller, Pittsburgh, Pa.; W. H. Ward, E. W. Kellar, W. H. Ward, Jr., Monongahela, Pa. Officers: W. H. Ward, President and Treasurer, Monongahela City, Pa.; W. C. Aughinbaugh, Secretary, Pittsburgh, Pa.; W. H. Ward, Jr., General Manager, Monongahela City, Pa.
Willard Sons & Bell Co., Chicago, Ill.
Winsted Iron Co., Winsted, Conn.
Wood, William W., Wood's Falls, N. Y.

CAR BUILDERS.

4. List of Car Builders in the United States and Canada, with the Names of Directors and Officers of Leading Corporate Organizations.

Allison Manufacturing Co., Philadelphia, Pa. Directors: W. C. Allison, James M. Langacre, Alfred L. Sellers, Philadelphia, Pa. Officers: W. C. Allison, President; James O'Neill, Treasurer; L. J. Piers, Secretary, Philadelphia, Pa.

Allison, John & Co. See Hazelton Iron Works.

Altoona Car Works, Altoona, Pa.

Barney & Smith Manufacturing Co., Dayton, O. Directors: E. J. Barney, J. D. Platt, F. E. Smith, A. C. Barney, Edward E. Barney, Dayton, O. Officers: E. J. Barney, President; J. D. Platt, Vice-President and Treasurer; F. E. Smith, Secretary; Edward E. Barney, Superintendent; A. M. Kittredge, Assistant Superintendent, Dayton, O.

Beaver Falls Car Co., Beaver Falls, Pa.

Billmeyer & Small Co., York, Pa. Officers: John M. Small, President; George S. Billmeyer, Secretary and Treasurer; William D. Billmeyer, Assistant Secretary, York, Pa.

Bloomsburg Car Works, Bloomsburg, Pa.

Bradley Car Works. Osgood, Bradley & Sons, Proprietors, Worcester, Mass.

Brill, J. G. & Co., Philadelphia, Pa.

Brownell & Wight Car Co., St. Louis, Mo. Directors: Frederick B. Brownell, B. H. Brownell, A. S. Partridge, St. Louis, Mo. Officers: B. F. Brownell, President; B. H. Brownell, Vice-President; A. S. Partridge, Secretary and Treasurer, St. Louis, Mo.

Buffalo Car Manufacturing Co., Buffalo, N. Y. Directors: G. W. Miller, James F. Chard, Buffalo, N. Y.; E. G. Gilbert, Troy, N. Y. Officers: George W. Miller, President and Treasurer, Buffalo, N. Y.; Chester Griswold, Vice-President, New York, N. Y.; James F. Chard, Secretary; A. B. Neill, General Manager; F. Johnson, General Superintendent, Buffalo, N. Y.

Carlisle Manufacturing Co., Carlisle, Pa. Directors, elected January 6, 1886: J. H. Bosler, John Hayes, George S. Buteno, W. D. Sponsler, W. W. Dale, J. L. Meloy, F. Gardner, W. R. Line, L. M. Myers, Carlisle, Pa. Officers: J. H. Bosler, President; John Hayes, Vice-President; E. J. Gardner, Treasurer and Superintendent; J. L. Meloy, Secretary; John Hayes, General Manager, Carlisle, Pa.

Carter Bros., San Francisco, Cal.

Connellsville Machine and Car Works, Connellsville, Pa.

Conshohocken Car Works, Conshohocken, Pa.

Carey, Francis W. & Co., Chicago, Ill.

Crangle, E. J., Calais, Me.

Crossen, James, Car Works, Cobourg, Ont.

Dauphin Car Works, Dauphin, Pa.

Dure & Co., Wilmington, Del.

Ensign Manufacturing Co. See Car Axle Manufacturers.

Erie Car Works, Limited, Erie, Pa. Directors: W. N. Galbraith, W. R. Davenport, John Fairbairn, Erie, Pa.; H. B. Plumer, Franklin, Pa. Officers: W. R. Davenport, President, Erie, Pa.; H. B. Plumer, Secretary and Treasurer, Franklin, Pa.

Feigel Car Co., 108 Wall Street, New York, N. Y. Officers: Asa L. Rogers, President; William C. Baker, Treasurer; Frank L. Corwin, Secretary, New York, N. Y.; Michael Feigel, General Superintendent, New Utrecht, L. I.

Gilbert Car Manufacturing Co., Troy, N. Y. Trustees: Uri Gilbert, Edward G. Gilbert, William E. Gilbert, Frederick S. Young, George L. French, Troy, N. Y. Officers: Uri Gilbert, President and Treasurer; Edward G. Gilbert, Vice-President and Assistant Treasurer; William E. Gilbert, 2d Vice-President; Frederick S. Young, Secretary, Troy, N. Y.; B. F. Manier, Superintendent, Troy, N. Y.

Gill Car Manufacturing Co., Columbus, O. Officers: John L. Gill, President; H. R. Gill, Treasurer; Wilson L. Gill, Secretary and Superintendent, Columbus, O.

Harlan & Hollingsworth Co., Wilmington, Del. Directors: J. Taylor Gause, H. T. Gause, Thomas Jackson, A. Kelley, N. N. Benson, Wilmington, Del. Officers: J. Taylor Gause, President; H. T. Gause, Vice-President and Secretary; Thomas B. Smith, Treasurer, Wilmington, Del.

Harris, James & Co., St. Johns, N. B., and Portland, Me.

Harrisburg Car Manufacturing Co., Harrisburg, Pa. Directors, elected January 12, 1886: David Fleming, Henry Gilbert, W. W. Jennings, David Maeyer, John DeHaven, W. J. Calder, T. D. Greenawalt, Harrisburg, Pa. Officers: David Fleming, President; W. T. Hildrup, Treasurer and General Manager; W. T. Hildrup, Jr., Secretary; George G. Boyer, Superintendent; John Murphy, Agent; M. E. Hershey, Superintendent Foundry and Machine Department; John E. Carmany, Superintendent Saw Mill Department, Harrisburg, Pa.

Haskell & Barker Car Co., Michigan City, Ind. Directors: John H. Barker, Walter Vail, N. P. Rogers, Michigan City, Ind. One vacancy. Officers: John H. Barker, President; N. P. Rogers, Secretary and Treasurer, Michigan City, Ind.

Hazelton Iron Works, Hazelton, Pa. John Allison & Co., Proprietors, Hazelton, Pa.

Huntingdon Car Works, Huntingdon, Pa.

Indiana Car Co., Cambridge City, Ind. Officers: William McMillan, President and Treasurer; William H. Gardner, Vice-President; O. L. Brigham, Secretary, Cambridge City, Ind.

Indianapolis Car and Manufacturing Co., Indianapolis, Ind. Officers: Charles S. Millard, President and Treasurer; Frank D. Richards, Secretary; C. O. Wilder, Superintendent, Indianapolis, Ind.; Herbert Royston, General Agent, Chicago, Ill.

Iron Bay Foundry, Marquette, Mich.

Jacksonville Car and Manufacturing Co., Jacksonville, Ill.

Jackson & Sharp Co., Wilmington, Del. Officers: Job H. Jackson, President; Charles S. Howland, Treasurer; Ellwood C. Jackson, Secretary, Wilmington, Del.

Jackson & Woodin Manufacturing Co., Berwick, Pa. Directors: M. W. Jackson, F. R. Jackson, Garrick Mallery, C. R. Woodin, Berwick, Pa. Officers: C. R. Woodin, President; Garrick Mallery, Vice-President; H. F. Glenn, Treasurer and Superintendent of Rolling Mill; C. H. Zehnder, Secretary and Superintendent Car Works, Berwick, Pa.

Johnston, Adam & Son, Reading, Pa.

Jones Car Works, Schenectady, N. Y.

Jones, J. M. Sons, West Troy, N. Y.

Keith Manufacturing Co. Isaac N. Keith, Proprietor. Works at Sagamore and Hyannis, Mass.

Keene, W. H., Woodville, Pa.

Kingston Car Works Co., Kingston, Ont.

Knoxville Iron Co. W. R. Tuttle, President. Purchasers of the Anniston Car Works, Anniston, Ala.

Laclede Car Manufacturing Co., St. Louis, Mo.

Laconia Car Co., Laconia, N. H. Officers: Perley Pulnam, President; John C. Moncton, Treasurer and Secretary, Laconia, N. H.

La Fayette Car Works, La Fayette, Ind. Directors: C. R. Cummings, O. S. Gaither, B. F. Masten, Chicago,

Ill.; P. W. Masten, H. W. Chase, La Fayette, Ind. Officers: B. F. Masten, President and General Manager; O. S. Gaither, Treasurer, Chicago, Ill.; H. W. Chase, Secretary; F. S. Clark, General Superintendent; Frank M. Cary, Purchasing Agent, La Fayette, Ind.

Lebanon Manufacturing Co., 205 North Tenth Street, Lebanon, Pa. Officers: Adolph Reinoehl, President; Richard Melly, Vice-President; John Hunsicker, Treasurer; John B. Rauch, Secretary; J. M. Gettel, Superintendent, Lebanon, Pa.

Lehigh Car, Wheel and Axle Works. McKee, Fuller & Co., Catasauqua, Pa.

L'Hote & Co., New Orleans, La.

Lima Car Co., Lima, O.

Litchfield Car and Machine Co., Litchfield, Ill.

Lombard, Thomas, Augusta, Me.

Lockard, G. M. & J. K., Bloomsburg, Pa.

Londonderry Car Works, Londonderry, N. S.

Michigan Car Co., Detroit, Mich. Officers: James McMillan, President; Hugh McMillan, Vice-President and General Manager; James McGregor, General Superintendent; H. W. Dyar, Assistant Manager; W. K. Anderson, Treasurer; Joseph Taylor, 2d Vice-President; W. C. McMillan, Secretary, Detroit, Mich.

Middletown Car Works. Schall & King, Proprietors, Middletown, Pa.

Milton Car Works, Milton, Pa. Officers: S. W. Murray, General Manager; C. H. Dickerman, Secretary and Treasurer; L. J. Satteson, General Superintendent; W. R. Kramer, Purchasing Agent, Milton, Pa.

Missouri Car and Foundry Co. See Car Wheel Manufacturers.

Morris, W. & Bro., Hazelton, Pa.

North Carolina Car Co., Raleigh, N. C. Directors: R. F. Hoke, Julius Lewis, Raleigh, N. C.; D. A. Waters, Philadelphia, Pa.; C. H. Beckwith, Keyser, N. C.; M. T. Leach, Raleigh, N. C. Officers: R. F. Hoke, President; John Ward, Secretary and Treasurer; William E. Ashley, Superintendent, Raleigh, N. C.

North-Western Manufacturing Car Co., Stillwater, Minn. Officers: D. M. Sabin, President, Stillwater, Minn.; J. V. Pierce, Vice-President, Red Wing, Minn.; J. C. O'Gorman, Treasurer; W. S. Goodhue, Secretary; E. S. Brown, Receiver; H. G. Stone, Assistant Receiver, Stillwater, Minn.

O'Ferrell, John & Co., Piqua, O.

Ohio Falls Car Co., Jeffersonville, Ind.

Ontario Car and Foundry Co. Thomas Muir, Managing Director, London, Ont.

Pardee Car and Machine Works, Watsontown, Pa. Pardee, Snyder & Co., Limited, Proprietors. Officers: A. Pardee, Chairman; S. B. Morgan, Secretary, Treasurer, and General Manager, Watsontown, Pa.

Patterson & Corbin, St. Catherines, Ont.

Peninsular Car Works, Detroit, Mich. Directors: James F. Joy, Russell A. Alger, Allan Sheldon, Frank J. Hecker, Charles L. Freer, Detroit, Mich. Officers: Frank J. Hecker, President; Allan Sheldon, Vice-President; Charles L. Freer, Secretary and Treasurer; John Doyle, Superintendent, Detroit, Mich.

Pennock Bros., Minerva, O.

Pennsylvania Car Works, Ligonier, Pa. Transfer Office and Works, Latrobe, Pa. Directors: R. M. Greyham, N. M. Marker, H. H. Covode, W. D. McGowen, H. S. Denney, Ligonier, Pa.; J. R. Mellon, Pittsburg, Pa. Officers: S. H. Baker, President, Latrobe, Pa.; R. M. Greyham, Vice-President, Ligonier, Pa.; A. W. Mellon, Secretary and Treasurer; Thomas A. Mellon, General Manager; George Senft, General Superintendent, Pittsburgh, Pa.

Pioneer Iron Works, Brooklyn, N. Y.

Portland Company, Portland, Me.

Pullman Palace Car Co. See Sleeping Car Companies.

Roanoke Machine Works, Roanoke, Va. Directors: F. J. Kimball, C. H. Clark, E. W. Clark, Joseph I. Doreu, W. G. Macdowell, William C. Bullitt, Philadelphia, Pa.; P. L. Terry, Roanoke, Va. Officers: F. J. Kimball, President; W. G. Macdowell, Acting Treasurer and Comptroller; A. J. Hemphill, Secretary, Philadelphia, Pa.; Joseph H. Sands, General Superintendent; S. B. Hampt, Superintendent, Roanoke, Va.; W. C. DeArmond, Purchasing Agent, Philadelphia, Pa.

Schall, M., York, Pa.

Schall & King. See Middletown Car Works.

Snyder, G. W., Pottsville, Pa.

Soule, E., San Francisco, Cal.

Southern Car Works, Knoxville, Tenn. Directors: George W. Colwell, E. J. Sanford, R. L. Lott, B. S. Colwell, R. Z. Roberts. Officers: George W. Colwell, President, Harrisville, Mich.; R. Z. Roberts, Secretary and Treasurer, Knoxville, Tenn.

Southern States Coal, Iron and Land Co., South Pittsburgh, Tenn.

St. Charles Car Co., St. Charles, Mo. Officers: W. H. Glasgow, President; H. B. Denker, Vice-President; T. C. Salveter, General Manager; Alpheus Aymond, Secretary and Treasurer, St. Charles, Mo.

Steel, J. D. & Son, Manufacturing Co., Pottstown, Pa. Officers: J. Dutton Steel, Chairman; John H. Steele, Secretary and Treasurer; Thomas C. Steele, General Superintendent, Pottstown, Pa.

Stephenson, John, Co., Limited, New York, N. Y.

Steubner & Woods, Long Island City, N. Y.

Swissvale Car Co., Swissvale, Pa.

Terre Haute Car and Manufacturing Co., Terre Haute, Ind.

Tredegar Iron Company. See Car Axle Manufacturers.

Turl's Iron Works, New York, N. Y.

United States Rolling-Stock Co. See Sleeping-Car Companies.

Wagner Palace-Car Co. See Sleeping-Car Companies.

Wallen, H. D., Jr., Grand Rapids, Mich.

Wason Manufacturing Co., Springfield, Mass. Officers: G. C. Fisk, President and General Manager; H. S. Hyde, Treasurer; Henry Pearson, Superintendent, Springfield, Mass.

Watt, J. H. & Bro., Barnesville, O.

Wells & French Co., Chicago, Ill. Officers: W. C. Van Horne, President, Montreal, Can.; O. W. Meysenburg, Vice-President and Manager; H. L. Norton, Secretary and Treasurer, Chicago, Ill. Works near Blue Island Avenue and West Twenty-Second Street. Office, Hawley Building, Madison and Dearborn streets, Chicago, Ill.

Youngstown Car Manufacturing Co., Youngstown, O. Officers: L. E. Cochran, President; B. F. Boyd, Secretary and Treasurer; Andrew Millike, General Manager, Youngstown, O.

CAR SPRING MANUFACTURERS.

5. List of Car Spring Manufacturers in the United States and Canada, with Names of Directors and Officers of Leading Corporate Organizations.

Akron Rubber Works, Akron, O. The B. F. Goodrich Co., Proprietors. Officers: B. F. Goodrich, President and General Manager; George W. Crouse, Vice-President; George T. Perkins, Treasurer; H. C. Corson, Secretary; Frank H. Mason, Superintendent; J. W. Kelley, Purchasing Agent, Akron, O.

Andrews, Frank H., 545 West Thirty-third Street, New York, N. Y.

Betts Spring Co., San Francisco, Cal. Officers: William M. Betts, President and Superintendent, Oakland, Cal.; Edwin Fretwell, Secretary and Treasurer, San Francisco, Cal.

Boston Car Spring Co., Boston, Mass.

Chicago Tyre and Spring Works. F. M. Atkinson, President, Chicago, Ill.

Cleveland Rolling Mill Co. See Rail Mills.

Cleveland Rubber Co., Cleveland, O.

Cleveland Spring Co., Cleveland, O.

Concave Elliptic Spring Co., New York, N. Y. Directors: William H. Stanford, William T. Minor, William H. Wisner, Thomas P. Simpson, William Davison, New York, N. Y. Officers: William H. Stanford, President; Charles W. Minor, Secretary and Treasurer; William Davison, General Superintendent; Henry A. Little, Sales Agent, New York, N. Y.

Cliff & Righter Co., Oswego, N. Y.

Coughlin, B. J. & Co., Montreal, Can.

Davis, A. B., Car Spring Co., Limited, Philadelphia, Pa. Branch office, Mills' Building, New York. Works, south-west corner Twenty-third and Hamilton Streets, Philadelphia, Pa. Edward Hill, Secretary and Treasurer, Philadelphia, Pa.

Detroit Steel and Spring Works, Detroit, Mich. Officers: Alexander De Lano, President; Charles P. Choate, Vice-President; H. R. Newberry, Secretary and Treasurer, Detroit, Mich.

Diamond State Car Spring Co., Wilmington, Del. Directors: N. H. Davis, L. C. Gratz, W. F. Hirons, Wilmington, Del. Officers: Nathan H. Davis, President; Lewis C. Gratz, Secretary and Treasurer, Wilmington, Del.

Farist (The) Steel Co., Bridgeport, Conn. Directors: Joel Farist, George Windsor, Bridgeport, Conn.; John B. Windsor, Hartford, Conn.; F. W. Rhinelander, C. J. Canda, New York, N. Y. Officers: Joel Farist, President, Bridgeport, Conn.; John B. Windsor, Treasurer, Hartford, Conn.; George Windsor, Secretary, Bridgeport, Conn.

Farell, T. J., Fort Howard, Wis.

File and Spring Co., Montreal, Can.

Fowler, Josiah, St. Johns, N. B.

French, Carlos, Seymour, Conn.

French, The A. Spring Co., Limited, Pittsburgh, Pa. Directors: A. French, George W. Morris, D. C. Noble, Pittsburgh, Pa.; J. E. French, Cleveland, O. Officers: A. French, Chairman, Pittsburgh, Pa.; J. E. French, Vice-Chairman, Cleveland, O.; D. C. Noble, Secretary and Treasurer; George W. Morris, General Manager, Pittsburgh, Pa.

Hamilton Rubber Co., Trenton, N. J. Directors: Joseph Whitehead, Edgar Whitehead, Frederick Whitehead, W. H. Linburg, William Hancock, Trenton, N. J. Officers: Joseph Whitehead, President and Treasurer; Edgar Whitehead, Vice-President; Frederick Whitehead, Secretary, Trenton, N. J.

Hebbard Car Spring Co., Knoxville, Tenn.

Jeffries, James & Sons, Philadelphia, Pa.

Kaldenberg, Frederick J., New York, N. Y.

Mercer Rubber Co., P. O. Box 247, Trenton, N. J.

Middleton, N. & A. & Co., Limited, Philadelphia, Pa.

Miller, Metcalf & Parkin, Pittsburgh, Pa.

National Car Spring Co., New York, N. Y. Officers: Richard Voee, President, New York, N. Y.; Benjamin Atha, Treasurer, Newark, N. J.; John S. Sliver, Secretary; John C. W. Gulbert, Cashier, New York, N. Y.; D. P. Clark, Superintendent, Newark, N. J. Factory at Newark, N. J.

New Jersey Car Spring and Rubber Co., Jersey City, N. J. Officers: John J. Fields, President; John J. Voorhees, Secretary; John J. Fields, Jr., Superintendent, Jersey City, N. J.

New York Belting and Packing Co., New York, N. Y.

Oxford Iron and Steel Works. Owned by William and Harvey Rowland, Frankford, Pa.

Pickering, C. W. & Co., Philadelphia, Pa.

Pittsburgh Steel Works. Owned by Anderson, Du-Puy & Co., 107 Wood Street, Pittsburgh, Pa. Selling Agents: M. T. Miles & Son, Chicago, Ill.; D. H. Kent & Co., Limited, Philadelphia, Pa.; and H. J. Hopper, New York, N. Y. Joseph M. Rogan, General Sales Agent Spring Department, Chicago, Ill.

Pompton Steel and Iron Co., Pompton, N. J. Officers: James Ludlum, President and Treasurer; Richard Wright, Secretary; Joseph W. McElroy, Superintendent, Pompton, N. J.

Scott, Charles, Spring Co., 1028 West New Market Street, Philadelphia, Pa. Officers: Charles Scott, President and Treasurer; Charles T. Schoen, Vice-President; Thomas M. Bell, Secretary, Philadelphia, Pa.

Singer, Nimick & Co., Limited, Pittsburgh, Pa. Officers: W. H. Singer, Chairman; George Singer, Jr., Secretary and Treasurer, Pittsburgh, Pa.; Hogan & Son, General Agents for the Eastern States, 243 Pearl Street, New York, N. Y.

Star Rubber Co., Trenton, N. J.

Trenton Rubber Works, Trenton, N. J. Directors: A. M. Alpaugh, Allan Magowan, Frank A. Magowan, William P. Hayes, Trenton, N. J. Officers: Frank A. Magowan, President and Treasurer; S. M. Alpaugh, Vice-President; William P. Hayes, Secretary; Allan Magowan, General Superintendent, Trenton, N. J.

Voee, Richard, 18 Barclay Street, New York, N. Y.

CAR WHEEL MANUFACTURERS.

6. List of Car Wheel Manufacturers in the United States and Canada, with Names of Directors and Officers of Leading Corporate Organizations.

Albany Car Wheel Works, Albany, N. Y.
Allen Paper Car Wheel Co. Works at Pullman, Ill., and Hudson, N. Y. Office, 239 Broadway, N. Y. City. Officers: William H. Fenner, Jr., President; John E. Gillette, Vice-President; C. H. Antes, Secretary; J. C. Beach, Treasurer.
Allston Car Wheel Co., Allston, Mass. Officers: N. Washburn, President; E. C. Pinney, Secretary and Treasurer, Allston, Mass.
Andrews, Frank H., 545 West Thirty-third Street, New York, N. Y.
Atlantic Iron Works, Portsmouth, Va.
Atwood Hemp Car Wheel Co., New York, N. Y.
Baltimore Car Wheel Co., Baltimore, Md. Officers: W. S. G. Baker, President and Treasurer; J. Paul Baker, Secretary, Baltimore, Md.
Barney & Smith Manufacturing Co. See Car Builders.
Barnum & Richardson Manufacturing Co., Chicago, Ill. Directors: William H. Barnum, Charles W. Barnum, M. B. Richardson, Lime Rock, Conn.; John Van Nortwick, Batavia, Ill.; Albert Alling, John Crerar, Volney C. Turner, Chicago, Ill. Officers: William H. Barnum, President, Lime Rock, Conn.; John Van Nortwick, Vice-President, Batavia, Ill.; Albert Alling, Treasurer and General Manager; William E. Best, Secretary, Chicago, Ill.
Bass, J. H. H. Wallace, Superintendent, Chicago, Ill.
Bass Foundry and Machine Works, Fort Wayne, Ind. J. H. Bass, President; J. I. White, Secretary; R. J. Fisher, Treasurer, Fort Wayne, Ind.
Bouton & Co., Aurora, Ill.
Bowler & Co. See Cleveland Foundry.
Brooks Locomotive Works. See Locomotive Builders.
Bucyrus Foundry and Manufacturing Co., Bucyrus, O. Directors: W. H. Harris, Daniel P. Eells, H. P. Eells, A. St. J. Newberry, J. B. Gormly, S. W. Crittenden. Officers: William Hamilton Harris, President; Daniel P. Eells, Vice-President; W. B. Crittenden, Secretary and Treasurer; John Thompson, Superintendent, Bucyrus, O.
Butterworth & Lowe, Grand Rapids, Mich.
Buffalo Car Wheel Works. Office and works, Howard and Thomas streets, Buffalo, N. Y. Officers: G. W. Miller, President and Treasurer; A. B. Neill, Superintendent and Cashier, Buffalo, N. Y.
Cayuta Wheel and Foundry Co., Sayre, Pa. Directors: Howard Elmer, William Stevenson, Sayre, Pa.; R. A. Elmer, New York, N. Y.; Robert Lockhart, W. A. Wilber, South Bethlehem, Pa.; J. B. McDonald, Philadelphia, Pa. Officers: Howard Elmer, President; F. E. Leyford, Secretary and Treasurer; M. C. Chapman, General Superintendent; C. L. Diedrichs, Chief Engineer and Superintendent of Machinery, Sayre, Pa.
Chester Steel Castings Co., Philadelphia, Pa.
Clendinning, William, Montreal, Can.
Cleveland Foundry. Bowler & Co., Proprietors, Cleveland, O.
Cleveland Wheel and Foundry Works, Cleveland, O.
Connellsville Machine and Car Works, Connellsville, Pa.
Crossen, James, Car Works. See Car Builders.
Davenport & Fairbairn, Erie, Pa.
Detroit Car Wheel Co., Detroit, Mich. Officers: James McMillan, President; Hugh McMillan, Vice-President and General Manager; W. C. McMillan, Secretary; W. K. Anderson, Treasurer; J. H. Whiting, Superintendent, Detroit, Mich.
Dickson Manufacturing Co. See Locomotive Builders.
Eckstein, C. G. & Co., 83 Liberty Street, New York, N. Y.
Ellis, W. R., 18 Broadway, New York, N. Y.
Ensign Manufacturing Co. See Car Axle Manufacturers.
Excelsior Foundry and Machine Works, Birmingham, Ala. Officers: E. R. Jones, President; P. Schlusser, Vice-President; H. Houpt, Secretary and Treasurer, Birmingham, Ala.
Fargo Car, Wheel and Iron Works Co., Fargo, Dak.
Ford & Kimball, Concord, N. H.
Fowler Steel Car Wheel Co., Stony Island, Cook Co., Ill.
Freas Manufacturing Co. (The), Berwick, Pa.
Fulton Foundry Co. Office, 202 Mervin Street, Cleveland, O. S. M. Carpenter, Proprietor; C. J. Langdon, Secretary, Cleveland, O.
Gill Car Manufacturing Co. See Car Builders.
Green's Car Wheel Manufacturing Co., St. Louis, Mo. Directors: H. H. Green, J. N. Green, George F. Cottrill, St. Louis, Mo. Officers: H. H. Green, President and Treasurer; George F. Cottrill, Secretary, St. Louis, Mo.
Griffin, Thomas F. & Sons, Buffalo, N. Y. P. H. Griffin, Manager. Location of works, Forrest Avenue and N. Y. C. and H. R. RR.
Griffin Car Wheel Co., Detroit, Mich. Directors: Thomas F. Griffin, Thomas A. Griffin, P. Henry Griffin, Joseph P. Cullen. Officers: Thomas F. Griffin, President; Thomas A. Griffin, Vice-President; P. Henry Griffin, Secretary and Treasurer, Detroit, Mich.
Griffin Wheel and Foundry Co., Chicago, Ill. Directors: T. A. Griffin, T. F. Griffin, P. H. Griffin. Officers: T. A. Griffin, President and Treasurer; T. F. Griffin, Vice-President; A. G. Wellington, Secretary, Chicago, Ill. General office and works, corner Robey Street and Blue Island Avenue, Chicago, Ill. City office, Room 5, Adams' Express Building, Chicago, Ill.
Hamilton Standard Wheel Co., Philadelphia, Pa.
Harman and Hassert, Bloomsburg, Pa.
Harrisburg Car Manufacturing Co. See Car Builders.
Haskell & Barker Car Co. See Car Builders.
Heartt, Jonas S. & Co., Troy, N. Y.
Hodger, E. W., Greenville, Pa.
Huntingdon Car and Car Wheel Works. See Car Builders.
Indianapolis Car and Manufacturing Co. See Car Builders.
Jackson & Woodin. See Car Builders.
Jersey City Wheel Foundry and Machine Works, Jersey City, N. J. Directors: Percival Roberts, G. T. Roberts, I. F. Bailey, Philadelphia, Pa.; Theodore Thomas, New York, N. Y. Officers: Theodore Thomas, President, New York, N. Y.; George C. Thomas, Secretary and Treasurer, Brick Church, Orange, N. J.
Kingsford, Thomas, Oswego, N. Y.
Knoxville Car Wheel Co., Knoxville, Tenn. Directors: J. A. Quaife, C. H. Brown, W. W. Woodruff, W. P. Washburn, D. A. Carpenter, J. B. Hoxsie, W. M. Christian, Knoxville, Tenn. Officers: Charles H. Brown, President; W. P. Washburn, Vice-President; D. A. Carpenter, Secretary and Treasurer; James Esdale, Superintendent Foundry, Knoxville, Tenn.; I. I. Traver, Superintendent Furnaces, Stony Creek, Tenn.
Laconic Car Co. See Car Builders.
La Fayette Car Works. See Car Builders.
Lake Shore Foundry, Cleveland, O. Directors: O. M. Burke, George B. Thomas, E. J. Estep, S. Burke, C. E. Burke, Cleveland, O. Officers: O. M. Burke,

President and Treasurer; C. E. Burke, Vice-President and Superintendent; G. B. Thomas, Secretary, Cleveland, O.
Lehigh Car, Wheel and Axle Works. See Car Builders.
Lima Machine Works, Lima, O.
Litchfield Car Manufacturing Co., Litchfield, Ill.
Lobdell Car Wheel Works, Wilmington, Del. Officers: George G. Lobdell, President; W. W. Lobdell, Vice-President; George G. Lobdell, Jr., Secretary; P. N. Brennan, Treasurer, Wilmington, Del.
Louisville Car Wheel and Railway Supply Co., Louisville, Ky.
Lynn Iron Works, Birmingham, Ala.
Maher & Brayton, Cleveland, O.
Marshall Car Wheel and Foundry Co. Furnaces, 8 miles west of Jefferson, Tex. Foundries and shops at Marshall, Tex. Officers: Charles Cobb, President and General Manager, Marshall, Tex.; E. J. Fry, Vice-President; Charles Cobb, Jr., Secretary and Treasurer, Marshall, Tex.
Marshall, John, Kittanning, Pa.
Mason Machine Works. See Locomotive Builders.
May, Swallow & Co., Milwaukee, Wis.
McCaskey Car Wheel Co., New Castle, Pa.
McCullough & Tait, Calais, Me.
McDougall, George, Three Rivers, Can.
McKee, Fuller & Co. See Car Axle Manufacturers.
Michigan Car Co. See Car Builders.
Missouri Car and Foundry Co., St. Louis, Mo. Directors: William McMillan, William H. Gardner, Melville Sawyer, O. L. Brigham, A. T. Buchanan, St. Louis, Mo. Officers: William McMillan, President and Treasurer; William H. Gardner, Vice-President; Melville Sawyer, Secretary; A. T. Buchanan, General Agent; John Higginson, General Car Superintendent, St. Louis, Mo.; I. T. Coke, Assistant Car Superintendent, Cambridge City, Ind.; James Connelly, General Foundry Superintendent, St. Louis, Mo.
Miltimore Elastic Steel Car Wheel Co., Chicago, Ill.
Moore & Moss, Kansas City, Mo.
Mowry Car Wheel Works, Cincinnati, O.
Munton Steel Car Wheel Co., 94 Washington Street, Chicago, Ill.
Nashua Iron and Steel Co., Nashua, N. H.
New Doty Manufacturing Co., Janesville, Wis. Directors: H. Richardson, R. J. Richardson, V. P. Richardson, Janesville, Wis. Officers: R. J. Richardson, President and General Superintendent; V. P. Richardson, Secretary and Treasurer, Janesville, Wis.
Nelsonville Foundry and Machine Co., Nelsonville, O.
Noble Brothers & Co., Anniston, Ala.
North-western Foundry. Menzel & Ferguson, Proprietors, Minneapolis, Minn.
Ohio Falls Car Co., Jeffersonville, Ind.
Ontario Car and Foundry Co., London, Ont.
Page, Newell & Co., New York, N. Y., and Boston, Mass.
Paige Car Wheel Co., Cleveland, O. Directors: J. E. French, W. S. Dodge, Charles A. Brayton, Cleveland, O.; Charles Miller, Franklin, Pa.; William J. Watson, Chicago, Ill. Officers: Julius E. French, President; W. S. Dodge, Treasurer; W. H. Silverthorne, Secretary; Ross Kells, General Superintendent, Cleveland, O.
Peacock's Car Wheel Factory, Selma, Ala. George Peacock, Proprietor and General Manager; George H. Peacock, Secretary and Assistant Manager; W. R. Peacock, Chief Engineer, Selma, Ala.
Peninsular Car Works. See Car Builders.
Prosser, Thomas & Son, 15 Gold Street, New York, N. Y.
Ramapo Wheel and Foundry Co., Ramapo, N. Y.
Redstone Foundry, Uniontown, Pa.
Risdon Iron and Locomotive Works, San Francisco, Cal.
Rochester Car Wheel Works, Rochester, N. Y. Directors: William H. Barnum, Milo B. Richardson, Charles W. Barnum, Lime Rock, Conn.; William K. Chapin, Charles T. Chapin, Rochester, N. Y. Officers: William H. Barnum, President, Lime Rock, Conn.; William K. Chapin, Vice-President; Charles T. Chapin, Secretary and Treasurer, Rochester, N. Y.
Russel Wheel and Foundry Co., Detroit, Mich. Directors: George H. Russel, Walter S. Russel, John R. Russel, Detroit, Mich. Officers: George H. Russel, President; Walter S. Russel, Vice-President and General Superintendent; John R. Russell, Secretary and Treasurer, Detroit, Mich.
Rutland Foundry and Machine Shop Co., Rutland, Vt. Car wheels and railroad castings. Directors: J. B. Harris, C. P. Harris, Rutland, Vt.; A. B. Harris, W. A. Harris, Springfield, Mass. Officers: Joel B. Harris, President and General Manager; A. B. Harris, Vice-President; Charles P. Harris, Secretary, Treasurer and General Manager, Rutland, Vt.
St. Albans Foundry, St. Albans, Vt.
St. Charles Car Co. See Car Builders.
Standard Steel Works, 220 South Fourth Street, Philadelphia, Pa. Steel tires for locomotive and car wheels. Officers: Charles T. Parry, President; William Burnham, Secretary and Treasurer; William G. Neilson, General Manager; J. P. Stevenson, Superintendent. Works at Lewiston, Pa. (See advertisement.)
Steadman & Co., Aurora, Ind.
St. Louis Car Wheel Co., St. Louis, Mo. Directors: John H. Bass, John I. White, Fort Wayne, Ind.; John M. Dutro, Thomas R. Pickard, Robert W. Green, St. Louis, Mo. Officers: John H. Bass, President; John I. White, Vice-President; John Dutro, Treasurer; Robert W. Green, Secretary, St. Louis, Mo.
St. Paul Foundry Co., St. Paul, Minn. Officers: H. P. Upham, President; A. H. Bode, Vice-President; C. M. Power, Secretary, Treasurer and Acting General Manager; Alexander Adams, General Superintendent, St. Paul, Minn.
Snow, W. W., Ramapo, N. Y.
Steiger & Kerr, San Francisco, Cal.
Taylor Iron Works, High Bridge, N. J. Directors: L. H. Taylor, High Bridge, N. J.; John Brown, Easton, Pa.; James Moore, Elizabeth, N. J.; E. C. Knight, Philadelphia, Pa.; L. C. Voorhees, New York, N. Y. Officers: L. H. Taylor, President; S. P. Raber, Treasurer and General Superintendent; L. S. Vanderbeck, Secretary, High Bridge, N. J.
Terre Haute Car and Manufacturing Co., Terre Haute, Ind.
Thatcher, George H. & Co., Albany, N. Y.
Thomas Steel Tire Wheel Co., Jersey City, N. J.
Thompson, L. P., Bordentown, N. J.
Treat, C. H., Hannibal, Mo.
Tredegar Iron Works. See Car Axle Manufacturers.
Union Foundry and Pullman Car Wheel Works, Chicago, Ill.
Washburn Car Wheel Co., Hartford, Conn. Officers: W. A. Healy, President; William H. Barnum, Vice-President and Manager; Salisbury Hyde, Secretary and Treasurer, Hartford, Conn.
Washburn, Hunts & Co., Jersey City, N. J.
Washburn Cast Steel Car Wheel Co., Raritan, N. J.
Worcester Steel Works, Worcester, Mass. Directors: George M. Rice, Edwin Gleason, Samuel D. Nye, Worcester, Mass. Officers: George M. Rice, President; Edwin Gleason, Treasurer; M. J. P. McCafferty, Secretary; Samuel D. Nye, Manager; William E. Colles, General Superintendent, Worcester, Mass.
Wason Manufacturing Co. See Car Builders.
Watt, J. H. & Bro., Barnesville, O.
Whitney, A. & Sons, Philadelphia, Pa.
Wyoming Valley Manufacturing Co. See Locomotive Builders.

LOCOMOTIVE BUILDERS.

7. List of Locomotive Builders in the United States and Canada, with Names of Directors and Officers of Leading Corporate Organizations.

Baldwin Locomotive Works, Philadelphia, Pa. Owned by Burnham, Parry, Williams & Co., Philadelphia, Pa.

Brooks Locomotive Works, Dunkirk, N. Y. H. G. Brooks, President; M. L. Hinman, Secretary and Treasurer,; J. H. Setchel, Superintendent; R. J. Gross, Travelling Agent, Dunkirk, N. Y.

Canadian Locomotive and Engine Co., Limited, Kingston, Ont. Directors: George A. Kirkpatrick, J. G. Ross, William Harty, Alexander Gunn, Kingston, Ont.; Hugh Ryan, Perth, Ont.; Hugh Mackey, P. A. Peterson, Montreal, Can. Officers: George A. Kirkpatrick, President, Kingston, Ont.; J. G. Ross, Vice-President, Quebec, Que.; John H. Birkett, Secretary and Treasurer; William Harty, Managing Director; F. D. Child, Superintendent, Kingston, Ont.

Cooke Locomotive and Machine Co., Paterson, N. J. Directors: John S. Cooke, Frederick W. Cooke, Watts Cooke, W. O. Fayerweather, Robert Barbour, Paterson, N. J. Officers: John S. Cooke, President and General Manager; Frederick W. Cooke, Vice-President; William Berdan, Secretary and Treasurer, Paterson, N. J.; H. A. Allen, Agent, New York, N.Y.

Dickson Manufacturing Co., Scranton, Pa. Officers: James P. Dickson, President; William H. Perkins, Secretary and Treasurer; Sidney Broadburt, General Superintendent; John Devine, Superintendent of Locomotive Department, Scranton, Pa.

Fleming & Sons, St. Johns, N. B.

Godwin, T. W. & Co. See Virginia Iron Works.

Grant Locomotive Works, Paterson, N. J.

Grant Iron Works Co., San Francisco, Cal.

Hazelton Iron Works, Hazelton, Pa. Light and mine locomotives. Owned by Allison & Evans, Hazelton, Pa.

Hinckley Locomotive Works, Boston, Mass. Directors: Robert H. Stevenson, Charles L. Pierson, Greeley S. Curtis, Boston, Mass. Officers: Robert H. Stevenson, President; Charles L. Pierson, Treasurer, Boston, Mass.

Lima Machine Works, Lima, O. Light-weight and Shay patent locomotives. Officers: J. M. Coe, President; G. W. Disman, Vice-President and Superintendent; W. T. Agerten, Secretary and Treasurer; Ira P. Carnes, Assistant Superintendent, Lima, O.

Manchester Locomotive Works, Manchester, N. H. Officers: John A. Burnham, President; William G. Means, Treasurer, Boston, Mass.; Arestas Blood, Superintendent, Manchester, N. H.

Kingston Locomotive Works. See Canadian Locomotive and Engine Co., Limited.

Mason Machine Works, Taunton, Mass. Directors: William H. Bent, Frederick Mason, William Mason, Taunton, Mass. Officers: Frederick Mason, President; William H. Bent, Treasurer; John T. Meats, General Superintendent; William Mason, Locomotive Department, Taunton, Mass.

Mount Savage Locomotive Works, Mt. Savage, Md. Narrow-gauge locomotives.

New York Locomotive Works, Rome, N. Y. Directors: H. A. V. Post, Ralph N. Ellis, William B. Isham, New York, N. Y.; H. M. Lawton, T. G. Nock, W. W. Wardnell, T. H Stryker, E. Comstock, Rome, N. Y.; William M. Burr, Cazenovia, N. Y. Officers: Thomas G. Nock, President; W. W. Wardnell, Vice-President; T. H. Stryker, Secretary and Treasurer; A. M. White, Superintendent, Rome, N. Y.

North Pacific Iron Works, Seattle, Wash. Terr.

Pittsburgh Locomotive and Car Works, Pittsburgh, Pa. Officers: D. A. Stewart, President; Wilson Miller, Secretary and Treasurer; D. A. Wightman, Superintendent, Pittsburgh, Pa.

Porter, H. K. & Co., Pittsburgh, Pa.

Portland Locomotive Works, Portland, Me.

Rhode Island Locomotive Works, Providence, R. I. Officers: C. Felix Mason, President; Earl Philip Mason, Vice-President; William P. Chapin, Treasurer; Arthur L. Mason, Secretary; Joseph Lythgoe, Agent and Superintendent, Providence, R. I.

Risdon Iron and Locomotive Works, San Francisco, Cal.

Roanoke Machine Works, Roanoke, Va. See Car Builders.

Rogers Locomotive and Machine Works, Paterson, N. J. Officers: J. S. Rogers, President; R. S. Hughes, Secretary and Treasurer, Paterson, N. J.

Schenectady Locomotive Works, Schenectady, N. Y. Officers: Charles G. Ellis, President; Walter McQueen, Vice-President; Edward Ellis, Treasurer; A. J. Pitkin, Superintendent, Schenectady, N. Y.

Strong Locomotive Co., New York, N. Y. Officers: A. G. Darwin, President, New York, N. Y.; George D. McCreary, Vice-President, Philadelphia, Pa.; Henry G. Morris, Secretary and Treasurer, Philadelphia, Pa. Directors: George H. Myers, Bethlehem, Pa.; Thomas F. Rowland, Brooklyn, N. Y.; C. C. Worthington, New York, N. Y.

Taunton Locomotive Works, Taunton, Mass. P. I. Perrin, Agent and Treasurer, Taunton, Mass.

Tanner & Delaney Engine Co., Richmond, Va. Officers: William E. Tanner, President; William R. Trigg, Vice-President; Alexander Delaney, Superintendent, Richmond, Va.

Virginia Iron Works, Norfolk, Va. Thomas W. Godwin & Co., Proprietors, Norfolk, Va. Light locomotives.

Wyoming Valley Manufacturing Co., Wilkesbarre, Pa. Light locomotives. Officers: Richard Sharpe, President; A. H. Van Horn, Vice-President; R. Sharpe, Jr., Secretary and Treasurer, Wilkesbarre, Pa.

RAIL MILLS.

8. List of Rail Mills in the United States and Canada, with the Names of Directors and Officers of the Leading Corporate Organizations.

Abbott Iron Works, P. O. Box 65, Baltimore, Md. Owned by Abbott Iron Company. Officers: Charles H. Ashburner, President; J. S. Gillman, Vice-President and Treasurer, Baltimore, Md.

Ætna Iron and Steel Co., Bridgeport, O. Light T and street rails. Directors: W. W. Halloway, A. J. Baggs, W. H. Tallman, Bridgeport, O.; Joseph Bell, Lewis Jones, W. B. Simpson, Wheeling, W. Va.; L. Spence, Martin's Ferry, O. Officers: W. H. Tallman, President; John A. Topping, Secretary, Bridgeport, O.

Akron Iron Works, Akron, O. Light T rails, from 10 to 30 pounds per yard. Directors: Lewis Miller, Jacob Miller, George W. Crouse, John R. Buchtel, Daniel A. Upson, E. Steinbaacher, F. Schumacher. Officers: Lewis Miller, President; J. A. Long, Secretary and Treasurer; Frederick Bishop, Superintendent, Akron, O

Alekalma Rolling Mill, Steubenville, O.

Allentown Rolling Mills. See Car Axle Manufacturers.

Allegheny, Monongahela and Birmingham Iron Works, Pittsburgh, Pa. Owned and operated by Oliver Bros. & Phillips, Pittsburgh, Pa.

American Iron and Steel Works, Pittsburgh, Pa. Jones & Laughlin, Limited, Proprietors; B. F. Jones, Chairman; G. M. Laughlin, Secretary and Treasurer, Pittsburgh, Pa.

Birmingham Rolling Mill, Louisville, Ky. Works at Birmingham, Ala. Small T and tram rails. Directors: W. B. Caldwell, George W. Norton, B. Du Pont, J. B. McFerran, W. W. Hite, W. P. Harvey, James G. Caldwell, Louisville, Ky. Officers: James G. Caldwell, President and Treasurer; B. Du Pont, Secretary, Louisville, Ky.; Thomas Ward, General Manager; John D. Dwyer, General Superintendent; J. H. Mohus, General Salesman, Birmingham, Ala.

Bethlehem Iron Co. See Car Axle Manufacturers.

Calumet Iron and Steel Co, First National Bank Building, Chicago, Ill. Works at Cummings, Ill. Officers: D. P. Eells, President; R. H. Lewis, Vice-President and General Manager; John M. Brown, Secretary and Treasurer, Chicago, Ill.

Carnegie, Phipps & Co., Limited. Successors to Pittsburgh Bessemer Steel Co., Pittsburgh, Pa. Officers: John Walker, Chairman; H. P. Smith, Secretary; W. H. Singer, Treasurer, Pittsburgh, Pa. Also proprietors of Homestead Steel Works, Lucy Furnaces, and Twenty-ninth Street Iron Works.

Cambria Iron and Steel Works, Philadelphia, Pa. Works at Johnstown, Pa. Owned by the Cambria Iron Co. Officers: E. Y. Townsend, President; Powell Stackhouse, Vice-President; John W. Townsend, Assistant to President; William S. Robinson, Secretary; John T. Kille, Treasurer; Harry Ellis, Assistant Treasurer, Philadelphia, Pa.; P. E. Chapin, General Manager; Cyrus Elder, Solicitor and General Agent; Joseph Morgan, Jr., Chief Engineer, Johnstown, Pa.

Central Iron and Steel Co. See Car Axle Manufacturers.

Central Pacific Railroad Rolling Mill. Owned by the Central Pacific Railroad Company, Sacramento, Cal. A. J. Stevens, General Manager of the Mill, Sacramento, Cal.

Cleveland Rolling Mill Co. See Car Axle Manufacturers.

Colorado Coal and Iron Co., Denver, Col. Directors: Henry E. Sprague, Thomas E. H. Curtis, Henry W. O. Eyde, John E. Devlin, August Rütten, Heman Clark, New York, N. Y.; William A. Dick, Philadelphia, Pa.; Walter B. Lawrence, New York, N. Y.; A. H. Danforth, South Pueblo, Col. Officers: Henry E. Sprague, President; Thomas E. H. Curtis, Vice-President, New York, N. Y.; A. H. Danforth, 3d Vice-President and General Manager, South Pueblo, Col.; William L. Graham, Secretary and Treasurer, South Pueblo, Col.; C. F. Ray, Auditor; Daniel N. Jones, Superintendent Steel and Iron Works; John Cameron, Superintendent Mines; W. G. Brown, General Agent. General offices, Colorado Springs and South Pueblo, Col. New York Agency, 41 and 43 Wall Street.

Columbus Iron Works, Columbus, O.

Columbus Rolling Mill, Columbus, O. Directors: E. L. Hinman, B. S. Brown, D. S. Gray, Samuel Thomas, William Manypeny, F. C. Sessions, S. Churchill, J. M. McCune, H. D. Turney, Columbus, O. Officers: E. L. Hinman, President; H. D. Turney, Vice-President; W. S. Rodgers, Secretary and Treasurer, Columbus, O.

Combination Steel and Iron Co., Chester, Pa. Officers: John Roach, President; G. E. Weed, Treasurer; C. A. Weed, General Manager, Chester, Pa.

Crescent Iron Works, Pomeroy, Meigs Co., O.

Cumberland Rolling Mill, Cumberland, Md.

Edgar Thomson Steel Works. Carnegie Bros. & Co., Limited, Proprietors, Pittsburgh, Pa. Board of Managers: Henry Phipps, Jr., David Stewart, William H. Singer, George Lauder, Henry M. Curry, John Walker, Pittsburgh, Pa. Officers: Henry Phipps, Jr., Chairman; David A. Stewart, Vice-President and Treasurer; Samuel E Moore, Secretary and Auditor, Pittsburgh, Pa.; William R. Jones, General Superintendent, Braddock, Pa.

Fort Pitt Iron and Steel Works. Owned and operated by Graff, Bennett & Co, Pittsburgh, Pa.

Glendower Iron Works, Danville, Pa.

Green Ridge Iron Works. Owned and operated by A. L. Spencer, Scranton, Pa. 25-pound mine rails. W. B. Borst, Superintendent; D B. Atherton, Secretary and Sales Agent, Scranton, Pa.

Helmbacher Forge and Rolling Mills Co. See Car Axle Manufacturers.

Houston Rolling Mills and Iron Co. Owned by Samuel Allen, Houston, Tex.

Indianapolis Rolling Mill, Indianapolis, Ind. Directors: A. Jones, John Thomas, Frank Landers, William Mansur, Albert Baker, William E. Rockwood, Indianapolis, Ind.; W. C. De Pauw, New Albany, Ind. Officers: A. Jones, President; John Thomas, Treasurer; W. H. Thomas, Assistant Treasurer; S. W. Morgan, Secretary and General Superintendent, Indianapolis, Ind.

Ironton Rolling Mill, Ironton, O. Owned by the New York and Ohio Iron and Steel Co. Light rails. Officers: C. H. Bliss, President; J. H. Keen, Vice-President; J. H Montgomery, Secretary and Treasurer; B. M. Caldwell, Manager, Ironton, O.

Joliet Steel Works, Joliet, Ill. Directors: John Crerar, W. R. Stirling, Chicago, Ill.; O. B. Filley, St. Louis, Mo.; H. S. Smith, Joliet, Ill.; Alexander J. Leith, New York, N. Y. Officers: Alexander J. Leith, President, New York, N. Y.; J. C. Stirling, Secretary; W. R. Stirling, Treasurer, Chicago, Ill.; H. S. Smith, General Superintendent, Joliet, Ill; T. B. Haagsma, Auditor, Chicago, Ill.

Kensington Iron Works. Owned by H. Lloyd, Son & Co., Pittsburgh, Pa. Flat and 12 to 30-pound T rails.

Knoxville Iron Co., Knoxville, Tenn. Light T and street rails. Directors: H. S. Chamberlain, Chattanooga, Tenn.; W. H. Van Bourchotea, West Park, N. Y.; David Richards, W. S. Mead, W. P. Chamber-

lain, E. J. Sanford, W. R. Tuttle, Knoxville, Tenn. Officers: W. R. Tuttle, President; William S. Mead, Secretary and Treasurer; George L. Reis, General Manager, Knoxville, Tenn.

Laclede Rolling Mill, St. Louis, Mo. 8 to 35-pound T and 20 to 50-pound flat rails. Directors: C. C. Maffitt, Charles P. Choutean, Edwin Harrison, St. Louis, Mo. Officers: C. C. Maffitt, President; Paul A. Fuss, Secretary and General Manager; W. G. Lewis, Superintendent, St. Louis, Mo.

Lawrence Iron and Steel Co. Owned by the Lawrence Iron Works Co., Ironton, O. Light T rails from 8 to 20 pounds. Officers: Cyrus Ellison, President; James Thomas, Vice-President; F. C. Tomlinson, Secretary and Treasurer; George T. Scott, General Superintendent, Ironton, O.; The Hazen Co., Selling Agents, Cincinnati, O.

Lackawanna Iron and Steel Co. Owned by the Lackawanna Iron and Coal Co., Scranton, Pa. Officers: E. F. Hatfield, President; H. V. Vultee, Secretary, New York, N. Y.; Edwin C. Lynde, Assistant Secretary, Scranton, Pa.; Theodore Sturges, Treasurer, New York, N. Y.; Charles F. Mattes, General Manager, Scranton, Pa.; Theodore G. Wolf, Superintendent of Steel Rolling Mill; Charles F. Manness, Superintendent of Steel Converting Works, Scranton, Pa.

Lochiel Iron and Steel Works, Harrisburg, Pa. Directors: Edward S. Gearhart, Danville, Pa.; Charles W. Eckman, Harrisburg, Pa.; Charles H. Reynolds, Kingston, Pa. Officers: Charles H. Reynolds, President, Kingston, Pa.; George P. Cooper, Secretary and Treasurer, Harrisburg, Pa.; A. Crevel, General Manager; C. Lewis, Superintendent of Mill; George P. Readebaugh, Master of Machinery, Harrisburg, Pa.

Lookout Iron Co., Chattanooga, Tenn., 12 to 16-pound T rails. Directors: J. T. Williams, J. W. Thornton, J. W. Johnson, Solomon Simpson, J. N. Hazelhurst, R. H. Plant, Chattanooga, Tenn. Officers: J. N. Hazelhurst, President and Manager; J. W. Thornton, Secretary and Treasurer, Chattanooga, Tenn.

McDonald Rolling Mills, St. Louis, Mo.

McKenney Tubular Rail Co., Chicago, Ill.

Massillon Rolling Mill Co., Joseph Corns & Sons, Proprietors, Portsmouth, O.

Montour Iron and Steel Works. Owned by the Montour Iron & Steel Co., Danville, Pa. Directors: Austin Corbin, George DeB. Keim, W. J. Barr, Philadelphia, Pa.; S. P. Wolverton, Sunbury, Pa.; W. E. C. Coxe, Reading, Pa. Officers: Austin Corbin, President, Philadelphia, Pa.; W. E. C. Coxe, Vice-President, Reading, Pa.; F. P. Kaercher, Secretary; W. A. Church, Treasurer, Philadelphia, Pa.; F. F. McGuinnes, General Superintendent, Danville, Pa.

North Chicago Rolling Mill Co, Chicago, Ill. Directors: N. Thayer, Boston, Mass.; O. W. Potter, R. C. Hannah, Chicago, Ill.; Officers: O. W. Potter, President and Treasurer, Chicago, Ill.; Nathaniel Thayer, Vice-President, Boston, Mass.; R. C. Hannah, Secretary; W. H. Hannah, Assistant Secretary; J. C. Parkes, General Manager; W. L. Potter, General Superintendent; H. C. Kreite, Chief Engineer, Chicago, Ill.; Francis Hinton, Manager, Milwaukee, Wis.; E. C. Porter, Superintendent, South Chicago, Ill.; J. J. Walt, Master of Transportation, Chicago, Ill.; J. W. Thorp, Purchasing Agent, South Chicago, Ill. Works at Chicago, South Chicago, Ill., and Milwaukee, Wis.

New Albany Rail Mill Co., New Albany, Ind. Tram and street rails. Directors: W. C. De Pauw, C. W. De Pauw, A. Dowling, P. R. Stoy, Albert Trinler, New Albany, Ind. Officers: W. C. De Pauw, President; C. W. De Pauw, Vice-President; Albert Trinler, Manager, New Albany, Ind.

New Jersey Steel and Iron Co., Trenton, N. J. Officers: Edward Cooper, President; Edwin F. Bedell, Secretary, New York, N. Y.; Frederick J. Slade, Treasurer; Joseph Stokes, Superintendent, Trenton, N. J.

North Branch Steel Co., Danville, Pa. Philadelphia Office, 330 Walnut Street. Officers: F. P. Howe, President and Manager, Danville, Pa.; H. D. Wheldon, Vice-President; Walter S. Massey, Secretary and Treasurer, Philadelphia, Pa.

North Chicago Rolling Co., Milwaukee, Wis.

Ogden Iron Works, Ogden, Utah.

Ohio Iron Co, Zanesville, O. Directors: M. Churchill, C. W. Greene, W. A. Graham, E. E. Fillmore, Zanesville, O.; Samuel Thomas, New York, N. Y. Officers: M. Churchill, President and General Manager; Charles W. Greene, Secretary and Treasurer; A. F. Cassell, Mill Manager, Zanesville, O.

Pacific Rolling Mill Co., San Francisco, Cal.

Portland Rolling Mill, P. O. Box 1886, Portland, Me. Officers: C. R. Milliken, President; John W. Leavitt, Secretary and Treasurer; Samuel Peters, Superintendent, Portland, Me.

Portsmouth Iron and Steel Co., Portsmouth, O. John Means, Trustee, Ashland, Ky. Small T rails.

Polo Alto Rolling Mill, Pottsville, Pa.

Pennsylvania Steel Works. See Car Axle Manufacturers.

Philadelphia and Reading Rolling Mill, Reading, Pa. Directors: P. C. Hallis, John Wanamaker, A. J. Antelo, J. V. Williamson, Philadelphia, Pa.; David Hostetter, Mark W. Matson, Pittsburgh, Pa. Officers: George DeB. Keim and S. A. Caldwell, Receivers; F. P. Kaercher, Secretary for Receivers; F. B. Gowen, President; Henry McKay, Treasurer; W. R. Taylor, Secretary, Philadelphia, Pa.; W. E. C. Coxe, General Superintendent, Reading, Pa.

Phœnix Iron Works. See Bridge Builders.

Pittsburgh Bessemer Steel Co, Succeeded by Carnegie, Phipps & Co., Limited, Pittsburgh, Pa.

Pottsville Iron and Steel Co., Pottsville, Pa. Directors: C. M. Atkins, William Atkins, D. C. Henning, Pottsville, Pa. Officers: C. M. Atkins, President; William Atkins, Treasurer and General Manager; C. H. Dengler, Secretary; William Brazer, Superintendent Rolling Mills; William H. Knowlton, Chief Engineer; Lewis W. Shaipless, Master of Machinery; D. H. Williams, Superintendent Steel Mills, Pottsville, Pa.

Roane Iron Co., Chattanooga, Tenn. Rail Steel. Officers: H. S. Chamberlain, President; H. Clay Evans, Secretary, Chattanooga, Tenn.

Riverside Iron Works, Wheeling, W. Va.

Springfield Iron Co., Springfield, Ill. Directors: Charles Ridgely, John Williams, J. Taylor Smith, John W. Bunn, Frank W. Tracy, William Ridgely, William B. Ridgely, Springfield, Ill. Officers: Charles Ridgely, President; William B. Ridgely, Vice-President; Franklin Ridgely, Secretary; John Griffiths, General Superintendent, Springfield, Ill.

St. Louis Bolt and Iron Co. See Tudor Iron Works.

Swift's Iron and Steel Works, Newport, Ky. Main Office, 26 West Third Street, Cincinnati, O. Mine, T, and street rails. Officers: E. L. Harper, President; George E. Clymer, Vice-President; J. L. Pfan, Secretary; J. H. Matthews, Treasurer.

St. Louis Oil and Steel Co., St. Louis, Mo. O. L. Garrison, Secretary, St. Louis, Mo.

Sandusky Rolling Mill and Manufacturing Co., Sandusky, O.

Schuylkill Haven Rolling Mill. Owned by the Schuylkill Haven Iron Co., Pottsville, Pa. Small T rails for mining purposes. Directors: L. W. Weissinger, C. F. Rahn, George R. Kaercher, W. E. Boyer, B. F. Weissinger, Pottsville, Pa. Officers: L. Weissinger, President; George R. Kaercher, Vice-President; C. F. Rahn, Secretary and Treasurer; Harry Quinter, General Superintendent, Pottsville, Pa.

Scranton Steel Co., Scranton, Pa. Directors: Frederick Billings, Walter Scranton, New York, N. Y.; William Connell, H. Belin, Jr., W. W. Scranton, Scranton, Pa.; Louis H. Bristol, New Haven, Conn. Officers: W. W. Scranton, President, Scranton, Pa.; Walter Scranton, Vice-President, New York, N. Y.; E. P. Kingsbury, Secretary and Treasurer, Scranton, Pa.

Sharon Iron Co., Sharon, Pa. Light T rails. Directors: David Adams, Henry W. Harton, Francis W. Peebles, Sharon, Pa. Officers: C. H. Buhl, Proprietor, Detroit, Mich.; Frank Buhl, General Manager; D. Adams, Secretary and Treasurer, Sharon, Pa.; Buhl, Sons & Co., Selling Agents, Detroit, Mich.

Shenango Iron Works, Newcastle, Pa.

Sligo Iron Works. Owned and operated by Phillips, Nimick & Co., Pittsburgh, Pa. Light T rails.

Spuyten Duyvil Rolling Mill, Spuyten Duyvil, New York, N. Y. Main Office, 11 Pine Street, New York, N. Y. Welch & Barnum, Proprietors; J. T. Lewis, Superintendent.

Troy Steel and Iron Works. See Car Axle Manufacturers.

Trumbull Iron Co., Girard, O. Small T rails. Directors: Henry Wick, John C. Wick, Paul Wick, Charles F. Hofer, George D. Wick, Youngstown, O.

Officers: Henry Wick, President; John C. Wick, Vice-President; George D. Wick, Treasurer and General Manager; Charles F. Hofer, Secretary, Girard, O.

Tudor Iron Works, St. Louis, Mo. Light Rails. Directors: T. A. Meysenburg, George S. Edgell, B. S. Adams, George O. Carpenter, Jr., W. H. Pulsifer, St. Louis, Mo. Officers: T. A. Meysenburg, President; G. S. Edgell, Vice-President and Treasurer; B. S. Adams, Secretary, St. Louis, Mo.

Union (The) Steel Co., Chicago, Ill. Directors: H. H. Porter, Hugh Riddle, Byron L. Smith, Robert Forsyth, Jay C. Morse, J. H. Bass, Chicago, Ill.; Benjamin Brewster, H. R. Bishop, A. B. Stone, New York, N. Y.; W. H. Barnum, Lime Rock, Conn; Daniel P. Eells, Cleveland, O. Officers: H. H. Porter, Chairman; Jay C. Morse, President; H. A. Gray, Secretary and Treasurer; Robert Forsyth, Manager, Chicago, Ill.

Union Iron Mills. Owned and operated by Carnegie Bros. & Co., Pittsburgh, Pa. Light steel rails.

Union Iron Works, Buffalo, N. Y.

Union Iron Works, Cleveland, O.

Union Pacific Rolling Mills, Laramie City, Wy. Terr.

Union Rolling Mill Co., 122 Water Street, Cleveland, O. Works at Newburgh, O. Light T and street rails. Officers: S. W. Sessions, President; A. S. Upson, Vice-President; A. R. Treadway, Secretary; S. A. Fuller, General Manager and Treasurer; Charles Kennedy, Superintendent.

Virginia Nail and Iron Works, Lynchburg, Va. Light Rails. See Wayne Iron and Steel Works.

Vulcan Works. Western Steel Co., Lessee, St. Louis, Mo. Works at South Street, St. Louis, Mo. Officers: A. M. Wilcox, President and Treasurer; C. F. Stuart, Secretary; William White, Jr., Superintendent, St. Louis, Mo.

Wabash Iron Co., Terre Haute, Ind.

Wayne Iron and Steel Works, Pittsburgh, Pa. Virginia Nail and Iron Works, Lynchburg, Va. Directors: E. Schaefer, C. M. Blackford, C. V. Winfree, J. C. Payne, S. B. Ferguson, J. R. Gilliam, Lynchburg, Va.; G. Renseus, H. J. Lamarche, M. J. Lamarche, New York, N. Y. Officers: E. Schaefer, President; C. M. Blackford, Vice-President; J. B. Williams, Secretary and Treasurer; T. C. Jones, General Manager, Lynchburg, Va.

Western Iron Co., Rosedale, Kan. Mine and street rails. Officers: James H. Anderson, President, Keokuk, Ia.; A. St. J. Newberry, Secretary and Treasurer, Cleveland, O.; D. E. Jones, Superintendent, Rosedale, Kan.

Worcester Steel Works, P. O. Box 967, Worcester, Mass. Officers: George M. Rice, President; M. J. P. McCafferty, Secretary; Edwin Gleason, Treasurer; Samuel D. Nye, Manager; William E. Colles, General Superintendent, Worcester, Mass.

Zanesville Iron Works, Zanesville, O. Light T and and street rails. Officers: M. Churchill, President; C. W. Greene, Secretary and Treasurer; A. F. Cassel, Superintendent, Zanesville, O.

Dreher's Railroad Car Compound.

ONE PACKING GUARANTEED TO LUBRICATE LOCOMOTIVE, PASSENGER COACH, FREIGHT CAR OR TENDER, FOR 10,000 MILES.

MACHINERY ▪ CYLINDER OILS ▪ MACHINERY COMPOUND

Made from the same materials as the Railroad Car Compound, and WARRANTED to wear proportionally.

A TEST OF THIS COMPOUND SHOWED ONLY 2 OUNCES LOSS IN THE WEIGHT OF EIGHT BRASSES OF A PASSENGER COACH AFTER RUNNING 18,000 MILES.

WASTE or FIBRE used with our Compound will last TEN TIMES AS LONG as where oil is used.

We will pack one Truck or Car at our expense to prove the truth of the above statement. Railroad references given upon application.

DREHER & CO., Manufacturers,

188 Pearl Street, New York.

INVESTMENT SECURITIES.

POOR & GREENOUGH,

DEALERS IN

SECURITIES for INVESTORS,

TRUST ESTATES,

Savings Banks, Insurance Companies,

ETC., ETC.

The undersigned have all the information in reference to Railroad Companies acquired in the publication of

POOR'S MANUAL OF RAILROADS

for 20 years consecutively, during which period every Report made by the several Companies, as well as their financial condition, have been made the subject of careful investigation and scrutiny.

POOR & GREENOUGH,

Dealers in all Securities on the New York and London Stock Exchanges,

34 WALL STREET, NEW YORK.

ESTABLISHED 1881.

JOHN STEPHENSON CO.,

(LIMITED.)

47 EAST 27th STREET, NEW YORK,

MANUFACTURE

Street Cars & Omnibuses

Of Great Variety and of Most Perfect Character.

CARS FOR ONE HORSE,
With or Without Platform.

CARS FOR TWO HORSES
Light, Strong, Elegant.

Particular Attention to Shipments.

ORDERS PROMPTLY FILLED.

STREET RAILROADS—UNITED STATES AND CANADA.

9. List of Street Railroads (Tramways) in the United States and Canada, with Names of Officers and Directors, Mileage, Equipment, Etc.

STATE OF ALABAMA.

Anniston, Oxford, and Oxanna Street Ry. Co. operates 2.5 miles of road, owns 4 cars, 4 horses and 8 mules. *Directors*, J. B. Allen, W. S. Larned, F. E. Galbreath, R. W. Russell, Oxanna, Ala.; T. C. Hill, S. C. Kelly, J. S. Kelly, Oxford, Ala.—J. Baxter Allen, *Pres.*, *Supt. & P. A.*, Samuel Larned, *Sec. & Treas.*—General Office, Oxanna, Ala.

Birmingham Street RR. Co. operates 3.75 miles of road, owns 20 mules and 9 cars.—B. F. Roden, *Pres. & Supt. Car Rep.*, J. H. McWilliam, *Sec. & Treas.*—General Office, Birmingham, Ala.

Birmingham and New Pittsburgh Street RR. Co. operates 7 miles of road, owns 2 dummies and 6 cars.—Wm. A. Walker, Jr., *Pres.*, Birmingham, Ala.; Thos. D. Radcliff, *Sec. & Treas.*, Ensley, Ala.—General Office, Ensley, Ala. P.O., Pratt Mines, Ala.

***Birmingham and Pratt Mines RR. Co.** operates 18 miles of road, owns 90 horses, 20 cars and 4 other vehicles.—J. A. Van Hoose, *Pres.*, Wm. Berney, *Sec. & Treas.*, J. M. Summerhill, *Gen. Supt.*—General Office, Birmingham, Ala.

Capital City Street Ry. Co. operates 8 miles of road, owns 10 horse-power engines, limit 150 horse-power, and 16 cars.—E. B. Joseph, *Pres.*, Thos. E. Hannon, *Treas.*, T. Roberts, *Sec.*, I. A. Gaboury, *Pur. Agt. & Supt.*—General Office, Montgomery, Ala.

***City Railroad Company of Mobile, Ala.,** operates 17½ miles of road, owns 240 horses, 1 dummy engine, 72 cars and 8 other vehicles. *Directors*, Jno. Maguire, Mark Lyon, A. H. Spira, M. I. Goldsmith, Wm. Frohlechstein, John Henry, B. Moog, Mobile, Ala.—John Maguire, *Pres.*, M. J. Goldsmith, *Sec. & Treas.*, B. Moog, *Supt. & Pur. Agt.*—General Office, Mobile, Ala.

Dauphin and Lafayette Street RR. Co. operates 2 miles of road, owns 2 horses, 21 mules and 9 cars.—D. P. Bestor, *Pres.*, J. C. Chamberlain, *Vice-Pres.*, G. Y. Overall, *Sec.*, James W. Gray, *Treas.*, J. B. Robertson, *Supt. & P. A.*, *& Mast. Car Rep.*—General Office, 28 St. Frances St., Mobile, Ala.

Highland Avenue Street Railway operates 6.5 miles of road. Owned by Elyton Land Co. Built in 1885. *Directors*, H. M. Caldwell, Birmingham, Ala.; Josiah Morris, D. S. Troy, Bolling Hall, Montgomery, Ala.; J. T. Woodward, Hanover National Bank, New York.—H. M. Caldwell, *Pres.*, H. Schoel, *Chief Eng.*, W. J. Milner, *Sec.*, *Treas. & Supt.*—General Office, Birmingham, Ala.

Mobile and Spring Hill RR. Co. See List No. 1.

North Birmingham Street Ry. Co.—John W. Johnston, *Pres.*, A. B. Johnston, *Sec. & Treas.*, I. Y. Sage, *Gen. Supt.*—General Office, Birmingham, Ala.

Selma Street RR. Co. operates 2 miles of road, owns 7 mules and 5 cars.—E. Gilman, *Pres.*, H. L. McKee, *Sec.*, J. H. Hobley, *Treas.*—General Office, Selma, Ala.

STATE OF ARKANSAS.

Capital City RR. Co.—S. N. Marshall, *Pres.*, Isaac J. Hicks, *Sec.*, W. E. Woodruff, *Treas.*—General Office, Little Rock, Ark.

Citizens' Street RR. Co. operates 4.5 miles of road, owns 70 horses and 21 cars.—T. J. Darragh, *Pres.*, A. J. Thompson, *Sec.*, C. F. Penzee, *Treas.*, Chas. R. Diver, *Supt.*—General Office, Little Rock, Ark.

Eureka Springs Street Ry. Co.—*Incorporators*, E. T. Walker, Geo. O. Linbarger, H. H. Moose, J. C. Loose, A. Glitch, N. D. Ingraham.—General Office, Eureka Springs, Ark.

Fort Smith Street RR. Co. operates 1.5 miles of road, owns 16 mules and 5 cars. *Directors*, Samuel McLoud, B. Buir, I. F. Moore, Geo. T. Sparks, Jos. Adler, Fort Smith, Ark.—Samuel McLoud, *Pres.*, B. Buir, *Vice-Pres.*, Geo. T. Sparks, *Sec. & Pur. Agt.*, W. A. Evans, *Supt.*—General Office, Fort Smith, Ark.

Helena Street Ry. Co.—*Incorporators*, C. L. Moore, Wm. R. Burke, James A. Toppen, Greenfield Juarles.—General Office, Helena, Ark.

Hot Springs Street RR. Co. operates 6 miles of road, owns 28 horses and 11 cars.—S. W. Fordyce, *Pres. & Treas.*, C. E. Maurice, *Sec.*, I. L. Butterfield, *Supt.*, *Pur. Agt. & Mast. Car Rep.*—General Office, Hot Springs, Ark.

Little Rock Street RR. Co. operates 3 miles of road, owns 10 horses, 150 mules and 35 cars.—T. J. Darragh, *Pres.*, A. J. Thompson, *Sec.*, C. F. Penzee, *Treas.*—General Office, Little Rock, Ark.

Searcy and West Point RR. Co. operates 8 miles of road, owns 8 mules, 3 cars and 4 freight-cars.—A. W. Yarnell, *Pres. & Gen. Man.*, W. H. Lightell, *Sec.*, Jasper Hicks, *Treas.*—General Office, Searcy, Ark.

STATE OF CALIFORNIA.

Alameda, Oakland and Piedmont RR. Co. operates 4 miles of road. *Directors*, Theodor Meetz, Louis Fasking, Alameda, Cal.; Rudolph Mohr, San Francisco, Cal.; Walter Blair, Oakland, Cal., Wm. Schmidt, Fruitvale, Cal.—Theodor Meetz, *Pres. & Pur. Agt.*, Louis Fasking, *Vice-Pres.*, Alameda, Cal.; Rudolph Mohr, *Sec.*, San Francisco Cal.; Walter Blair, *Treas.*, Oakland, Cal.; Louis Koenig, *Supt.*, *Mast. Car & Tr. Rep.*, Alameda, Cal.—Principal Office, Oakland, Cal.

Berkley Villa RR. Co.—Berryman & Chaffellet, *Proprietors*, Oakland, Cal.

Broadway and Piedmont Street RR. Co.—Walter Blair, *Pres.*, Samuel Howe, *Sec.*, Montgomery Howe, *Supt.*—General Office, Oakland, Cal.

California Street (Cable) Railway Co. operates 2.25 miles of road, owns 25 cars and 25 dummies. *Directors*, Chas. Mayne, Robert Watt, A. Borel, C. W. Randall, Jerome Lincoln, San Francisco, Cal.—C. Mayne, *Pres.*, Robert Watt, *Vice-Pres.*, T. W. Hinchman, *Sec.*, A. Borel & Co., *Treas.*, James Harris, *Supt.*, *etc.*—General Office, California and Larkin Sts., San Francisco, Cal.

Central RR. Co. operates 6 miles of road, owns 292 horses, 55 cars and 6 other vehicles. *Directors* W. A. Aldrich, S. C. Bigelow, A. J. Gunnison, T. R. Hayes, Chas. Main, W. R. Morton, G. W. Prescott, Jos. Rosenberg, E. E. Kentfield.—Chas. Main, *Pres.*, S. C. Bigelow, *Vice-Pres.*, C. P. Le Breton, *Sec.*, A. J. Gunnison, *Treas.*, J. F. Clark, *Gen. Supt. & P. A.*, A. Reilly, *Mast. Tr. Rep.*, C. Gustafson, *Mast. Car Rep.*—General Office, 32 Turk St., San Francisco, Cal.

"PAY HERE."

FARE BOXES AND CHANGE RECEPTACLES

FOR STREET CARS.

Box No. 3.
Front or Passengers' View.

The following are points of superiority in this box over others:

Simplicity of Construction, Quickness and Convenience of Cleaning.

SECURITY OF Money Drawer.

Beauty OF FINISH AND Much Cheaper in Price.

CHANGE RECEPTACLE.—The only satisfactory arrangement in use for making change with the driver.

Descriptive and Illustrated Circular on application.

Box No. 3.
Back or Driver's View.

WRITE US BEFORE BUYING.

WALES M'F'G COMPANY, 76 & 78 E. Water St., Syracuse, N. Y.

Metropolitan Foundry and Iron Works.

ARCHITECTURAL IRON WORK,

Stable Furniture, etc., for Street Car Barns,

Verandas, Iron Stairways, Skylights, also Vault Doors, Fire-Proof Vaults,

STREET CAR CASTINGS AND TURNTABLES.

ESTIMATES FURNISHED AND SOLICITED.

SNEAD & BIBB,
LOUISVILLE, KY.

Central Street RR., Los Angeles, operates 10 miles of road, owns 72 horses, 17 cars and 3 other vehicles. *Directors*, J. W. Hellman, W. J. Broderick, E. F. Spence, J. F. Crank, S. C. Hubbell, Los Angeles, Cal.—E. F. Spence *Pres.*, J. F. Crank, *Vice-Pres.*, Wm. M. Caswell, *Sec.*, First Nat. Bank, *Treas.*, Niles Knickerbocker, *Gen. Supt.*—GENERAL OFFICE, Los Angeles, Cal.

City RR. Co., Los Angeles, Cal., operates 6 miles of road, owns 60 horses and 8 cars. *Directors*, Wm. J. Broderick, J. W. Hellman, E. F. Spence, J. F. Crank, S. C. Hubbell, Los Angeles, Cal.—J. W. Hellman, *Pres.*, W. J. Broderick, *Vice-Pres.*, Fred Harkness, *Sec.*, Wm. Hawks, *Gen. Supt.*, Farmers' and Merchants' Bank, *Treas.*—GENERAL OFFICE, Los Angeles, Cal.

* **City RR. Co., San Francisco, Cal.,** operates 5.5 miles of road, owns 280 horses, 72 cars and 6 other vehicles. *Directors*, Robert B. Woodward, Geo. E. Raum, Jas. H. Goodman, F. H. Woods, D. Melone, E. F. Hutchinson, Drury Melone, C. P. Tinkham, San Francisco, Cal.—R. B. Woodward, *Pres.*, Geo. E. Raum, *Vice-Pres.*, M. E. Willis, *Sec.*, J. H. Goodman, *Treas.*, F. O. Landgrave, *Mast. Car Rep.*, Wm Woodward, *Supt.*, *Pur. Agt. & Mast. Tr. Rep.*—GENERAL OFFICE, 1304 Mission St., San Francisco, Cal.

Clay Street Hill (Cable) RR. Co. operates 1 mile (double track) of road, and owns 11 cars. *Directors*, Joseph Britton, Henry L. Davis, James Moffit, Charles Mayne, Henry Steinneyger, J. J. Rey, C. P. Campbell, San Francisco, Cal.—Joseph Britton, *Pres. & Supt.*, Charles Mayne, *Vice-Pres.*, Chas. P. Campbell, *Sec.*, Henry L. Davis, *Treas.*, P. H. Campbell, *Pur. Agt.*—GENERAL OFFICE, Clay & Leavenworth Sts., San Francisco, Cal.

First Street and San Pedro Street RR. Co.—Frank C. Bethel, *Pres. & Supt.*—GENERAL OFFICE, San José, Cal.

First Street and Willow Glen Railroad Co. (San José, Cal.), operates 6.5 miles of road, owns 30 horses and 9 cars.—J. Rich, *Pres. & Sole Owner*, E. M. Rosenthal, *Sec.*—GENERAL OFFICE, 20 West Santa Clara St., San José, Cal.

Fourth Street RR. Co. operates 6 miles of road, owns 38 horses and 6 cars.—Walter Blair, *Pres. & Supt.*, P. J. Van Lobeneels, *Sec.*, Montgomery Howe, *Treas.*—GENERAL OFFICE, Oakland, Cal.

Geary Street, Park and Ocean (Cable) RR. Co. operates 5 miles of road, and owns 15 cars.—Daniel Meyer, *Pres.*, R. F. Morrow, *Vice-Pres.*, John N. Syme, *Sec.*, S. C. Bigelow, *Treas.*, H. D. Morton, *Supt.*—GENERAL OFFICE, San Francisco, Cal.

Main Street and Agricultural Park RR. operates 8 miles of road, owns 60 horses and 12 cars. *Directors*, W. J. Broderick, J. W. Hellman, O. W. Childs, W. F. Edgar, J. D. Harvey, Thomas E. Rowan, Dalton Wheeler, Los Angeles, Cal.—W. J. Broderick, *Pres. & P. A.*, J. W. Hellman, *Vice-Pres.*, A. C. Taylor, *Sec.*, Farmers' and Merchants' Bank, *Treas.*, E. M. Lorricke, *Supt.*, *Mast. Tr. Rep.*, *etc.*—GENERAL OFFICE, Los Angeles, Cal.

Market Street (Cable) Ry. Co. operates 18.5 miles of double track road, owns 86 horses, 2 dummy engines, 182 cars and 12 other vehicles. *Directors*, Leland Stanford, Chas. F. Crocker, Timothy Hopkins, N. T. Smith, J. L. Willcutt, San Francisco, Cal.—Leland Stanford, *Pres.*, Chas. F. Crocker, *Vice-Pres.*, J. L. Willcutt, *Sec.*, N. T. Smith, *Treas.*, H. D. Morton, *Supt. & Pur. Agt.*—GENERAL OFFICE, Fourth & Townsend Sts., San Francisco, Cal.

Market Street and Willow Glen RR. Co. operates 2 miles of road.—J. Rich, *Owner*, E. M. Rosenthal, *Sec.*, San José, Cal.—GENERAL OFFICE, 20 West Santa Clara St., San José, Cal.

North Beach and Mission RR. Co. operates 8.5 miles of road, owns 350 horses and 74 cars. *Directors*, J. R. Spring, J. T. Boyd, Jerome Lincoln, Wm. Alvord, H. D. Coggswell, J. C. Wilmerding, Albert Meyer, F. H. Woods, San Francisco, Cal.—Albert Meyer, *Pres.*, J. T. Boyd, *Vice-Pres.*, H. W. Hawthorne, *Sec.*, Wm. Alvord, *Treas.*, M. Skelly, *Supt. & Pur. Agt.*—GENERAL OFFICE, Fourth & Louisiana Sts., San Francisco, Cal.

North Side Horse RR. Co. operates 2.25 miles of road, owns 12 horses and 3 cars. *Directors*, S. A. Bishop, J. Rich, H. Rich, E. M. Rosenthal, H. E. Moody, J. Q. A. Ballou, C. H. Simonds, San José, Cal.—J. Rich, *Pres.*, E. M. Rosenthal, *Sec.*, S. A. Bishop, *Treas.*, J. Rich, *Gen. Supt.*, Geo. Fitzgerald, *Mast. Car Rep.*—GENERAL OFFICE, 20 West Santa Clara St., San José, Cal.

Oakland, Brooklyn and Fruitvale RR. Co. operates 2 miles of road, owns 26 horses and 4 cars.—Hiram Tubbs, *Pres.*, W. W. Crane, Jr., *Vice-Pres.*, W. C. Mason, *Sec.*, H. Tubb, *Treas.*, Jas. Dixon, *Supt.*—GENERAL OFFICE, East Oakland, Cal.

Oakland RR. Co. operates 10 miles of road, owns 100 horses, 2 dummies and 25 cars.—J. S. Emery, *Pres.*, A. Doble, *Vice-Pres. & Pur. Agt.*, H. H. Towns, *Sec.*, First Nat. Bank, *Treas.*, Gy. Loring, *Supt.*—GENERAL OFFICE, 921 Broadway, Oakland, Cal.

Ocean Beach Ry. operates 2 miles of road. *Directors*, Leland Stanford, Chas. F. Crocker, Timothy Hopkins, N. T. Smith, J. L. Willcutt, San Francisco, Cal.—Leland Stanford, *Pres.*, Chas. F. Crocker, *Vice-Pres.*, J. L. Willcutt, *Sec.*, N. T. Smith, *Treas.*, H. D. Morton, *Supt.*—PRINCIPAL OFFICE, 4th and Townsend Sts., San Francisco, Cal.

Omnibus RR. and Cable Co. operates 8.5 miles of road, owns 395 horses and 57 cars. *Directors*, Daniel Stein, Gustav Sutro, C. D. O'Sullivan, Eugene Le Roy, E. Hull, San Francisco, Cal.—Gustav Sutro, *Pres.*, Daniel Stein, *Vice-Pres.*, G. Ruegg, *Sec.*, M. M. Martin, *Supt. & P. A.*, Wm. Barry, *Mast. Tr. Rep.*, M. M. Martin, *Mast. Car Rep.*—PRINCIPAL OFFICE, 727 Howard St., San Francisco, Cal.

Park and Ocean RR. owns 4.62 miles of road. *Directors*, Chas. F. Crocker, Ariel Lathrop, Timothy Hopkins, N. T. Smith, J. L. Willcutt, San Francisco, Cal.—Chas. F. Crocker, *Pres.*, Timothy Hopkins, *Vice-Pres.*, J. L. Willcutt, *Sec.*, N. T. Smith, *Treas.*, H. D. Morton, *Supt.*—PRINCIPAL OFFICE, 4th and Townsend Sts., San Francisco, Cal.

People's RR. Co. operates 10 miles of road, owns 70 horses and 20 cars.—S. A. Bishop, *Pres. & P. A.*, E. Rosenthall, *Sec.*, J. Rich, *Treas.*, W. Tetts, *Supt.*—GENERAL OFFICE, San José, Cal.

Potrero and Bay View RR. Co. operates 3.22 miles of road, owns 45 horses, 10 cars and 3 other vehicles. *Directors*, Leland Stanford, Chas. F. Crocker, W. V. Huntington, N. T. Smith, J. L. Willcutt, San Francisco, Cal.—Leland Stanford, *Pres.*, Chas. F. Crocker, *Vice-Pres.*, J. L. Willcutt, *Sec.*, N. T Smith, *Treas.*, H. O Rogers, *Supt. & Pur. Agt.*—GENERAL OFFICE, 4th and Townsend Sts., San Francisco, Cal.

Sacramento City Street RR. Co. operates 5 miles of road, owns 50 horses and 13 cars.—R. C. Casey & Sons, *Owners*, A. G. Painter, *Supt.*—GENERAL OFFICE, Sacramento, Cal.

San José and Santa Clara RR. Co. operates 8 miles of road, owns 89 horses and 20 cars. *Directors*, S. A. Bishop, Jacob Rich, W. S. McMurty, Jno. Auzerais, P. O. Minon, San José, Cal.—Samuel A. Bishop, *Pres.*, W. S. McMurty, *Vice-Pres.*, E. M. Rosenthal, *Sec.*, Jacob Rich, *Treas.*, Wm. Fitts, *Supt.*, Rich and Bishop, *Pur. Agts.*, Geo. Fitzgerald, *Mast. Car Rep.*—GENERAL OFFICE, 20 W. Santa Clara St., San José, Cal.

Santa Barbara Street RR. Co.—H. K. Winchester, *Pres.*, Santa Barbara, Cal.

Sutter Street RR. Co. operates 5.5 miles of road, owns 135 horses, 50 horse-cars and 20 cable-cars. *Directors*, R. F. Morrow, J. L. Schmitt, J. Napthaly, F. J. Low, R. G. Byxbee, San Francisco, Cal.—R. F. Morrow, *Pres.*, J. L. Schmitt, *Vice-Pres.*, A. K. Stevens, *Sec.*, M. Schmitt, *Treas.*, Jas. McCord, *Supt.*, R. Price, *Mast. Tr. Rep.*, H. Willy, *Mast. Car Rep.*—GENERAL OFFICE, San Francisco, Cal.

Second Street Cable RR. Co. operates 1.6 miles of road, owns 6 dummies and 6 cars. *Directors*, W. S. Newhall, San Francisco, Cal.; Jas. McLaughlin, Jesse Yarnell, H. C. Witmer, Edward A. Hall, Los Angeles, Cal.—Edward A. Hall, *Pres.*, Jas McLaughlin, *Vice-Pres.*, H. C. Witmer, *Sec.*, Jesse Yarnell, *Treas.*, Edward A. Hall, *Supt.*, F. F. Field, *Pur. Agt.*—GENERAL OFFICE, 33 South Spring St., Los Angeles, Cal.

Telegraph Hill Street (Cable) RR. Co. operates 0.59 miles of road and owns 2 cars.—Gustave Sutro, *Pres. & Treas.*, Chas. J. Werner, *Sec.*, *Supt. & P. A.*—GENERAL OFFICE, Greenwich and Kearney Sts., San Francisco, Cal.

Temple Street Cable Ry. (In progress.) Length of road, 3 miles; owns 6 dummy engines and 6

D. W. PUGH. J. S. PUGH.
F. D. RUSSELL.

PUGH & RUSSELL,

Street Cars, Rails,

AND EVERY DESCRIPTION OF

STREET RAILWAY SUPPLIES.

General Representatives of
THE JOHN STEPHENSON COMPANY, (Limited)
New York,
STREET CARS.

General Agents of
The A. French Spring Co. (Limited,) Pittsburgh, Pa.,
STREET CAR SPRINGS.

Agents for New York District, and Indiana, Michigan and Ohio for
The Johnson Steel Street Rail Company, Johnstown, Pa.

NEW YORK,
Stewart Building, Broadway, Reade and Chambers Sts. P. O. Box 3524.
CHICAGO,
PHENIX BUILDING.

Established 1856. Incorporated 1883.

THE

FEIGEL CAR CO.,

BUILDERS OF

CARS

FOR

Street Railways.

FACTORY, NEW UTRECHT, N. Y.

OFFICE,

No. 108 Wall Street, N. Y.

WM. WHARTON, Jr. & CO., Limited,

Engineers, Manufacturers and Contractors,

Twenty-Fifth Street and Washington Avenue,

PHILADELPHIA, PA.

Cable Railways, Grips

AND ALL APPURTENANCES.

The Oldest and Largest Manufacturers of Street Railway Track Appliances in the World. Responsible parties contemplating Buildings, Renewals or Extensions will find it to their interest to correspond with us.

cars. *Directors*, W. S. Maxwell Victor Beandry, Prudent Beandry, Julius Lyons, Thomas Stovell, Ralph Rogers, E. A. Hall, Octavius Morgan, John Milner.—Walter S. Maxwell, *Pres.*, P. Beaudry, *Vice-Pres.*, Octavius Morgan, *Sec.*, John Milner, *Treas.*, O. Morgan, *Supt.*, *Pur. Agt.*, *etc.*, Los Angeles, Cal.—PRINCIPAL OFFICE, Los Angeles, Cal.

Vallejo Street RR. Co.—E. J. Wilson, *Pres.*, S. G. Hilborn, *Sec.*—GENERAL OFFICE, Vallejo, Cal.

STATE OF CONNECTICUT.

Bridgeport and West Stratford Horse RR. Co.—Opened Oct. 19, 1885. *Directors*, Henry N. Beardsley, H. B. Drew, Bridgeport, Conn.

***Bridgeport Horse RR. Co.** operates 7 miles of road, owns 70 horses and 14 cars. *Directors*, Albert Eames, James Wilson, N Wheiler, P. T. Barnum, F. Hurd, A. B. Beers, B. F. Lasher, Bridgeport, Conn.—Albert Eames, *Pres.*, F. Hurd, *Sec. & Treas.*, B. F. Lasher, *Supt.*, *P. A. & Mast. Car Rep.*—GENERAL OFFICE, 333 E. Washington Ave., Bridgeport, Conn.

Danbury Street Railway Co. operates 4 miles of road, owns 30 horses and ten cars.—John D. Haines, *Pres.*, Chas. D. Haines. *Sec. & Treas.*, A. G. Haines, *Pur. Agt. & Supt.*—GENERAL OFFICE, Danbury, Conn.

Danbury and Bethel Horse RR. Co. operates 4.5 miles of road, owns 25 horses and 6 cars.—John D. Haines, *Pres.*, Geo. A. Shepard, *Vice-Pres.*, Chas. D. Haines, *Sec. & Treas.*, T. E. Haines, *Supt.*—GENERAL OFFICE, Danbury, Conn.

Fairhaven and Westville RR. Co. operates 7 miles of road, owns 210 horses and 30 cars. *Directors*, Hoadley B. Ives, George H. Watrous, Ezekiel H. Trowbridge, Samuel Miller, Henry S. Parmele, Samuel Hemingway, John B. Carrington, Charles S Blackman, New Haven, Conn.—Hoadley B. Ives, *Pres. & P. A.*, Leavitt Candee, *Sec. & Treas.*, W. A. Graham, *Supt. & Mast. Tr. Rep.*, E. W. Easton, *Mast. Car Rep.*—GENERAL OFFICE, Simpson Block, New Haven, Conn.

***Hartford and Wethersfield RR. Co.**—E. S. Goodrich, *Pres. & Treas.*, Geo. Sexton, *Sec.*—GENERAL OFFICE, Hartford, Conn.

Middletown Horse RR. Co. operates 2 miles of road, owns 24 horses and 6 cars. *Directors*, John M. Douglas, James K. Guy, Fred. B. Chaffee, Eugene H. Burr, Abel C. Allison, Middletown, Conn.—John M. Douglas, *Pres.*, James K. Guy, *Sec.*, *Treas. & Pur. Agt.*, Walter E. Baldwin, *Gen. Mgr.*, Joseph B. Lace, *Supt. & Mast. Tr. Rep.*—GENERAL OFFICE, 166 Main St., Middletown, Conn.

New Haven and Centreville Horse RR. Co. operates 2.5 miles of road, owns 42 horses, 8 cars and 2 other vehicles.—Cornelius Pierpont, *Trustee*, T. R. Hull, *Supt.*, New Haven, Conn.

***New Haven and West Haven Horse RR. Co.** operates 6.75 miles of road, owns 115 horses and 24 cars. *Directors*, Geo. R. Kelsey, S. L. Smith, I. A. Kelsey, W. W. Ward, James Graham, H. G. Kelsey, New Haven, Conn.—Geo. R. Kelsey, *Pres.*, S. L. Smith, *Sec.*, W. W. Ward, *Treas.*, *Supt. & P. A.*, Andrew Bracken, *Mast. Tr. Rep.*, H. H. Nickerson, *Mast. Car Rep.*—GENERAL OFFICE, West Haven, Conn.

Norwich Horse RR. Co. operates 6 miles of road, owns 39 horses and 12 cars.—Thomas Cunningham, *Pres.*, T. West, *Sec. & Treas.*, *etc.*—GENERAL OFFICE, Franklin Square, Norwich, Conn.

***Norwalk Horse RR. Co.** operates 2 miles of road, owns 20 horses and 7 cars.—J. W. Hyatt, *Pres.*, E. G. Hoyt, *Sec.*—GENERAL OFFICE, Norwalk, Conn.

State Street Horse RR. Co. operates 2 miles of road, owns 40 horses and 7 cars.—C. A. Warren, *Pres.*, C. C. Blatchly, *Sec.*, Geo. Wells, *Supt.*—GENERAL OFFICE, New Haven, Conn.

Westport and Saugatuck Railway Co. operates 1.75 miles of road, owns 5 horses and 3 cars. *Directors*, A. S. Hurlbutt, Horace Staples, A. C. Nash, E. H. Nash, S. N. Saxton, E. S. Downes, C. H. Taylor, I. E Wheeler, Westport, Conn.—A. S. Hurlbutt, *Pres.*, B. L. Woodworth, *Sec. & Treas.*, E. S. Downes, *Supt.*, *Pur. Agt. & Mast. Tr. Rep.*—GENERAL OFFICE, Westport, Conn.

Whitney Avenue Horse RR. Co. operates about 2 miles of road, owns 20 horses and 3 cars. *Directors*, Geo. H. Watrous, Eli Whitney, Richard M. Event, Wm. W. Farnam, Eli Whitney, Jr., Geo. D. Watrous, Dwight W. Tuttle, New Haven, Conn.—G. H. Watrous, *Pres.*, G. D. Watrous, *Sec.*, J. A. Davis, *Lessee*, Eli Whitney, Jr., *Treas.*—GENERAL OFFICE, New Haven, Conn.

STATE OF COLORADO.

***Denver City RR. Co.** operates 30 miles of road, owns 365 horses and 68 cars. Geo. H. Holt, *Pres.*, G. D. L'Huilier, *Sec.*, G. E. Randolph, *Treas.*, *Supt. & P. A.*—GENERAL OFFICE, 11 Wall St., New York, N. Y.

Pueblo Street RR. Co. operates 4.5 miles of road, owns 30 horses and 8 cars.—Jas. B. Orman, *Pres.*, Jas. N. Carlisle, *Vice-Pres. & Treas.*, D. L. Holden, *Sec.*, J. T. Clark, *Supt.*, *P. A.*, *& M. of C. P.*—GENERAL OFFICE, South Pueblo, Col.

Trinidad Street RR. Co. operates 1.5 miles of road.—C. P. Treat, *Owner & Man.*, 180 Dearborn St., Chicago, Ill.—J. H. Clendennon, *Supt.*, Trinidad, Col.

STATE OF DELAWARE.

Front and Union Street RR. Co. operates 1.5 miles of road, owns 22 mules and 7 cars. *Directors*, Geo. W. Bush, Jno. R. Tatum, Wm. G. Gibbins, Philip Plunkett, R. J. McKay, Joseph Pyle, Wilmington, Del.; J. C. McComb, Claymont, Del.—Geo. W. Bush, *Pres.*, Samuel A. Price, *Sec. & Supt.*, Edw. T. Taylor, *Treas.*, Geo. Broadbent *Mast. Car & Tr. Rep.*—GENERAL OFFICE, 5th & Market Sts., Wilmington, Del.

Wilmington City RR. Co. operates 6 miles of road, owns 58 horses, 22 mules, 20 cars 4 coaches and 2 sleighs. *Directors*, Wm. Canby, Jas. Bradford, Geo. H. Bates, J. T. Heald, E. Mendinhall, John Jones, Washington Jones, Wilmington, Del.—Wm. Canby, *Pres.*, J. F. Miller, *Sec. & Treas.*, W. H. Burnett, *Supt. & Pur. Agt.*, John Donahue, *Mast. Tr. Rep.*, Wm. Keefe, *Mast. Car Rep.*—GENERAL OFFICE, Delaware Ave. and Dupont St., Wilmington, Del.

DISTRICT OF COLUMBIA.

Anacostia and Potomac Street Ry. Co. operates 2.8 miles of road, owns 26 horses and 9 cars. *Directors*, Edward Temple, R. B. Clark, T. E. Smithson, Washington, D. C.; H. A. Griswold, E. M. Chapin, Wm. H. West, J. Z. Williams, Anacostia, D. C.—H. A. Griswold, *Pres.*, J. B. Pitcher, *Sec. & Treas.*, H. A. Griswold, *Supt.*—GENERAL OFFICE, Anacostia, D. C.

Capitol, North O Street, and So. Washington St. RR. Co. operates 7.75 miles of road, owns 181 horses and 84 cars. *Directors*, W. J. Cowing, Charles White, B. F. Fuller, A. M. Clapp, C. S. Bradley, E. Cammack, G. W. Gray, Washington, D. C.—Charles White, *Pres.*, W. E. Boughton, *Sec. & Treas.*, Andrew Glass, *Supt.*, *Pur. Agt.*, *etc.*—GENERAL OFFICE, 3d and B. Sts., South Washington, D. C.

Columbia RR. Co. operates 3.63 miles of road, owns 56 horses and 19 cars. *Directors*, H. A. Willard, H. K. Willard, A. B. Coppes, Thos. J. Fisher, E. G. Davis, Robt. I. Fleming, W. H. Clagett, Washington, D. C.—H. A. Willard, *Pres.*, E. G. Davis, *Vice-Pres.*, W. H. Clagett, *Sec. & Treas.*, Elbert Clagett, *Supt. & P. A.*—GENERAL OFFICE, Washington, D. C.

***Metropolitan RR. Co.** operates 19.439 miles of road, owns 460 horses and 110 cars. *Directors*, Geo. W. Pearson, Albert A. Wilson, Robert D. Weaver, Thomas Hyde, Jno. Cammack, Robert Beall, Daniel B. Clark, Washington, D. C.—Geo. W. Pearson, *Pres. & Pur. Agt.*, Albert A. Wilson, *Vice-Pres.*, Wm. J. Wilson, *Sec. & Treas.*, Lloyd W. Emmart, *Supt.*—GENERAL OFFICE, 2411 "P" St., North, Washington, D. C.

***Washington & Georgetown RR. Co.** operates 21 miles of road, owns 900 horses and 151 cars.—H. Hurt, *Pres. & P. A.*, M. G. Lane, *Vice-Pres.*, C. M. Koones, *Sec. & Treas.*, C. C. Saller, *Supt.*, S. T. Hawk, *Mast. Car Rep.*—GENERAL OFFICE, Georgetown, D. C.

STATE OF FLORIDA.

Fort Meade Street RR. Co. operates 4.25 miles of road, owns 2 horses, 2 freight-cars, and 1 passenger car.—J. A. Edwards, *Pres.*, C. C. Wilson, *Sec.*, J. G. Carter, *Treas.*—GENERAL OFFICE, Fort Meade, Fla.

Jacksonville Street RR. Co. operates 8 miles of road, owns 90 mules and 25 cars.—H. S. Haines,

THE
Way Foundry Company.

WAY, RHODES & BLANKLEY,

"Street Railway Supplies a Specialty."

Contractors for Construction

— OF —

STREET RAILWAYS.

MANUFACTURERS OF

CURVES, FROGS, TURNOUTS,
CROSSINGS, SWITCHES, JOINT PLATES,
ALL SIZES OF KNEES.

Steel Grooved and Tram Rails at Special Rates.

Pedestals & Boxes. All kinds of Brake Shoes.

TURNTABLES.

AND ALL MATERIALS USED IN THE CONSTRUCTION OF STREET RAILWAYS.

Twenty-third and Wood Streets,

PHILADELPHIA, PA.

Pres., Savannah, Ga.; Geo. R. Foster, *Vice-Pres. & Sec.*, Jacksonville, Fla.; J. M. Lee, *Treas.*, G. W. Haines, *Supt.*, Savannah Ga.; M. H. Motte, *Agent*, Jacksonville, Fla.—GENERAL OFFICE, Jacksonville, Fla.

Pensacola Street RR. Co.—Chas. Johnson, *Treas., etc.*—GENERAL OFFICE, Pensacola, Fla.

Pine Street RR. Co. operates 2 13 miles of road, owns 18 mules and 4 cars.—G. A. Blackenstal, *Pres. & Owner*, F. W. Blackenstal, *Sec.*, Chas. Johnston, *Treas. & Supt.*—GENERAL OFFICE, Jacksonville, Fla.

Leesburg Street RR. Co.—In progress; no further information.—GENERAL OFFICE, Leesburg, Fla.

Palatka Street RR. Co.—In progress; no further information.—GENERAL OFFICE, Palatka, Fla.

STATE OF GEORGIA.

***Atlanta Street RR. Co.** operates 11 miles of road, owns 100 horses, 50 mules, and 30 cars.—Richard Peters, *Pres.*, J. W. Culpepper, *Sec. & Treas.*, E. C. Peters, *Gen. Supt. & P. A.*, H. A. Smith, *Mast. Car Rep.*—GENERAL OFFICE, 49 Line St., Atlanta, Ga.

***Augusta & Summersville RR. Co.** operates 6 miles of horse road and 1.5 miles of freight line, owns 50 horses and 13 cars. *Directors*, John P. Kennedy, New York, N. Y.; E. R. Schneider, Josiah Sibley, Wm. H. Howard, Thomas G. Barrett, D. L. Fullerton, Henry B. King, Augusta, Ga.—Patrick Walsh, *Pres. & Treas.*, Edward G. Mosher, *Sec., Supt. & Pur. Agt.*, F. E. Petit, *Aud.*, P. F. Murphy, *Mast. Tr. Rep.*, Theo. Plunkett, *Mast. Car Rep.*—GENERAL OFFICE, Augusta, Ga.

Athens Street RR. Co.—In progress; no further information.

Brunswick Street Ry. Co. projected and charter obtained.—C. P. Goodyear, *Pres.*, Brunswick, Ga.; R. B. Smith, *Treas.*, J. A. Chrisholm, *Sec.*, 12 W. 23d St., New York, N. Y.

City and Suburban RR. Co. operates 5 miles of road, owns 89 mules, 21 horses, and 16 cars.—James H. Johnson, *Pres.*, D. G. Purse, *Sec.*, E. Schmidt, *Treas.*, G. W. Alley, *Gen. Supt.*, G. W. Mattaire, *Mast. Car Rep.*—GENERAL OFFICE, Anderson & Whitaker Sts., Savannah, Ga.

Coast Line RR. Co. operates 6 miles of road, owns 36 mules and 18 cars.—Geo. Parson, *Pres.*, R E. Cobb, *Sec. & Treas., etc.*—GENERAL OFFICE, Savannah, Ga.

Columbus Street RR. Co. operates 3 miles of road, owns 32 mules and 9 cars. *Directors*, B. T. Hatcher, W. P. Hunt, C. B. Grimes, F. C. Weisiger, G. W. Dillingham, F. D. Peabody, O. S. Jordan, Columbus, Ga.—B. T. Hatcher, *Pres. & P. A.*, F. C. Weisiger, *Sec. & Treas.*, J. B. Weisiger, *Supt.*—GENERAL OFFICE, Columbus, Ga.

Gainesville and Hall Co. Street RR. Co. operates 2.5 miles of road, owns 8 mules and 5 cars.—Jas. R. Barns, *Pres.*, Robt. E. Green, *Treas. & Pur. Agt.*, C. W. Du Pre, *Sec.*—GENERAL OFFICE, Gainesville, Ga.

Gates City RR. Co. operates 3 miles of road, owns 35 mules and 7 cars.—L. B. Nelson, *Pres.*, John Stephens, *Sec. & Treas.*, J. T. H. Smith, *Gen. Supt.*—GENERAL OFFICE, 41 Alabama St., Atlanta, Ga.

Macon and Suburban RR. Co. operates 6 miles of road, owns 6 horses, 34 mules and 10 cars.—T. J. Carling, *Pres., P. A., etc.*, H. R. Brown, *Sec., Treas. & Gen. Supt.*—GENERAL OFFICE, 151 2d St., Macon, Ga.

Metropolitan Street RR. Co. operates 3 miles of road, owns 16 horses and 16 mules.—
Pres., *Supt.*—GENERAL OFFICE, Atlanta, Ga.

Rome Street Ry. Co. operates 3 miles of road, owns 25 horses, 4 cars, and 2 omnibuses.—J. D. Williamson, *Pres.*, J. A. Glover, *Sec.*, J. F. McGhee, *Treas.*, F. H. Harris, *Gen. Supt.*—GENERAL OFFICE, Rome, Ga.

West End and Atlanta Street RR. operates 2 miles of road, owns 35 mules and 6 cars.—T. G. Healy, *Pres.*, T. L. Langston, *Sec. & Treas.*, John Broomhead, *Gen. Supt.*, T. J. Hightower, *Pur. Agt.*—GENERAL OFFICE, Atlanta, Ga.

STATE OF ILLINOIS.

Alton and Upper Alton Horse RR. Co. operates 2.75 miles of road, owns 20 horses and 4 cars.—Aaron Butler, *Pres.*, H. J. Crane, *Sec. & Treas.*, Harriet A. Hathaway, *Gen. Supt.*—GENERAL OFFICE, Alton, Ill.

Aurora Street Ry. Co. operates 5 miles of road, owns 30 mules, 10 horses, 7 cars and 1 wagon. *Directors*, H. H. Evans, S. W. Thatcher, E. W. Trask, T. H. Day, A. Rindelle, D. F. Van Liew, C. A Weight, A. I. Hopkins, R. Griswold, Aurora, Ill.—H. H. Evans, *Pres.*, S. W. Thatcher, *Vice-Pres.*, T. H. Day, *Sec.*, E. W. Trask, *Treas.*, I. B. Chattel, *Supt.*, S. W. Thatcher, *Pur. Agt.*—GENERAL OFFICE, Aurora, Ill.

Bloomington and Normal RR. Co. operates 4.5 miles of road, owns 45 mules and 8 cars.—A. H. Moore, *Prop.*, Edward Sharpe, *Sec.*, J. W. Law, *Supt.*—GENERAL OFFICE, Bloomington, Ill.

Cairo Street Railway Co. operates 2 miles of road, owns 10 horses and 3 cars. *Directors*, J. A. Goldstine, Thomas Lewis, Harry Schulze, Albert Lewis, C. V. Neff, H. Bleins, Cairo, Ill.—J. A. Goldstine, *Pres.*, H. Bleins, *Vice-Pres.*, Harry Schulze, *Sec.*, Thomas Lewis, *Treas., Supt., etc.*—GENERAL OFFICE, Cairo, Ill.

Central City Horse Ry. Co. operates 10 miles of road, owns 80 horses and 35 cars.—H. R. Woodward, *Pres.*, E. Callender, *Sec. & Treas.*, John Strong, *Supt. & Pur. A.*, J. Cleveland, *Cashier.*—GENERAL OFFICE, Peoria, Ill.

Central Horse and Cable Ry. Co. operates 4 miles of road, owns 19 horses and 9 cars.—H. R. Woodward, *Pres.*, E. Callender, *Sec. & Treas.*, John Strong, *Supt. & Pur. A.*, J. Cleveland, *Cashier.*—GENERAL OFFICE, Peoria, Ill.

Champaign Street RR. Co.—J. L. Ray, *Pres.*—GENERAL OFFICE, Champaign, Ill.

***Chicago City (Cable) Ry. Co.** operates 104.25 miles of road, owns 1,659 horses, 729 cars, 3 dummies, 22 snow-ploughs and 6 sweepers. *Directors*, S. B. Cobb, D. K. Pearsons, S. W. Allerton, C. L. Hutchinson, E. M. Phelps, D. G. Hamilton, C. B. Holmes, Chicago, Ill.—C. B. Holmes, *Pres., Supt. & P. A.*, S. B. Cobb, *Vice-Pres.*, H. H. Windsor, *Sec.*, T. C. Pennington, *Treas.*, C. J. Luck, *Mast. Tr Rep.*, J. B. Wright, *Mast. Car Rep.*—GENERAL OFFICE, 2030 State St., Chicago, Ill.

***Chicago Passenger Railway Co.**—E. R. Bliss, *Sec.*—GENERAL OFFICE, 348 Western Ave., Chicago, Ill.

***Chicago West Division RR. Co.** operates 46.5 miles (all double track) of road, owns 3,977 horses and 750 cars. *Directors*, B. H. Campbell, Wm. H. Bradley, S. B. Cobb, Jerome Beecher, Henry Field, Wm. H. Ryder, J. R Jones, Chicago, Ill.—J. R. Jones, *Pres.*, B. H. Campbell, *Vice-Pres.*, Geo. L. Webb, *Sec. & Treas.*, De Witt C. Cregier, *Supt.*, E. A. Blodgett, *Pur. Agt.*, Martin Connell, *Mast. Tr. Rep.*, B. McDevitt, *Mast. Car Rep.*—GENERAL OFFICE, 59 State St., Chicago, Ill.

Chicago Horse and Dummy RR.—Austin Doyle, *Supt.*, Borden Block, Chicago, Ill.

Citizens' Horse Railway Co. operates 4.50 miles of road, owns 20 horses and 7 cars.—*Directors*, D. P. Alexander, Wichita, Kan.; H. A. Alexander, John E. Thomas, Don Turner, Belleville, Ill.—D. P. Alexander, *Pres.*, H. A. Alexander, *Treas., Pur. Agt. & Supt.*, John Thomas, *Sec.*—GENERAL OFFICE, Belleville, Ill.

Citizens' Street Railway Co. operates about 4 miles of road, owns 35 mules and 7 cars. *Directors*, Wm. P. Cannon, Wm. Stewart, A. R. Samuel, J. G. Holden, A. C. Daniel, J. B. Mann, E. C. Abdill, Danville, Ill.—Wm. P. Cannon, *Pres.*, Wm. Stewart, *Vice-Pres.*, A. R. Samuel, *Sec. & Treas.*, Wm. P. Cannon, *Supt. & P. A.*—GENERAL OFFICE, Danville, Ill.

Citizens' Street RR. Co. operates 2 miles of road, owns 40 mules and 7 cars.—D. S. Shellaborger, *Pres.*, Arthur Kinney, *Sec. & Treas., etc.*—GENERAL OFFICE, 423 E. North St, Decatur, Ill.

Citizens' Street Railway Co. operates 9 miles of road, owns 100 mules, 28 cars and 2 other vehicles. *Directors*, J. H. Schück, Frank Reish, Geo. Reish, C. Schück, John Schoeneman, C. Smorooskie, C. Herman, Springfield, Ill.—J. H. Schück, *Pres.*, John Schoeneman, *Vice-Pres.*, Frank Reish, *Treas.*, Chas. Her-

ESTABLISHED 1857. *INCORPORATED 1875.*

Brownell & Wight Car Company,

ST. LOUIS, MO.,

MANUFACTURERS OF

STREET CARS

OF ALL SIZES AND STYLES,

FOR

Horse, Cable, Electric,
And Other Motors,

FOR

SUMMER AND WINTER SERVICE.

man, *Sec.*, Joe Bloomer, *Gen. Supt.*—GENERAL OFFICE, Springfield, Ill.

***College City RR. Co.** operates 5.5 miles of road, owns 25 horses and 9 cars. *Directors*, Luke W. Sanborn, J. H. Barton, A. S. Hoover, Galesburg, Ill.; E. E. Fosdick, Fort Worth, Tex.; E. O. Flood, New York, N. Y.—Luke W. Sanborn, *Pres*, A. S. Hoover, *Vice-Pres.*, A. A. Matteson, *Treas.*, Geo. S. Clayton, *Sec.*, *Supt.*, *Pur. Agt.*, *etc.*, Galesburg, Ill.—GENERAL OFFICE, Galesburg, Ill.

Decatur Street RR. Co. operates 1 mile of road, owns 12 horses and 4 cars.—F. Priest, *Pres. & Gen. Man.*, Decatur, Ill.

Elgin City Street RR. Co. operates 2.75 miles of road, owns 18 horses and 5 cars.—B. C. Payne, *Pres.*, *Sec. & Treas.*—GENERAL OFFICE, 324 Spring St., Elgin, Ill.

***Fort Clark Horse RR. Co.** operates 9 miles of road, owns 100 horses and 32 cars.—John H. Hall, *Pres. & Supt.*, H. W. Wells., *Sec.*, H. Tetweiller, *Treas.*—GENERAL OFFICE, Peoria, Ill.

Freeport Street Ry. Co. operates 3.75 miles of road, owns 32 horses, 3 cars and 2 other vehicles.—Jacob Krohn, *Pres.*, Freeport, Ill; F. C. Platt, *Vice-Pres.*, Waterloo, Ia.; John B. Taylor, *Treas.*, Walter B. Barnes, *Sec.*, H. T. Warner, *Gen. Supt.*—GENERAL OFFICE, Freeport, Ill.

Jacksonville RR. Co. operates 4.5 miles of road, owns 23 horses and 14 cars.—Wm. Hook, *Pres.*, Thomas J. Hook, *Sec.*, Marcus Hook, *Treas.*, Benj. Sibert, *Supt. & P. A.*—GENERAL OFFICE, Jacksonville, Ill.

La Salle Street RR. Co. operates 1.5 miles of road.—E. C. Hegeler, *Pres.*, F. W. Matthiessen, *Sec.*—GENERAL OFFICE, La Salle, Ill.

Joliet Street Ry. Co. operates 2.5 miles of road, owns 11 horses, 19 mules and 6 cars.—J. A. Henry, *Pres.*, J. Hulsizer, *Sec. & Treas.*, A. Birchman, *Supt.*—GENERAL OFFICE, Joliet, Ill.

Mechanicsburg and Buffalo RR. Co. operates 3.625 miles of road, owns 4 mules and 3 cars. *Directors*, J. N. Fullinwider, Harvey Thompson, J. M. Thompson, A. T. Thompson, Mechanicsburg, Ill.; J. B. Hunter, Buffalo, Ill.—J. N. Fullinwider, *Pres.*, Harvey Thompson, *Vice-Pres.*, J. T. Fullinwider, *Sec.*, A. T. Thompson, *Treas.*—GENERAL OFFICE, Mechanicsburg, Ill.

Moline Central Street Railway Co. operates 1.25 miles of road, owns 11 horses and 3 cars. *Directors*, S. W. Wheelock, S. H. Velie, P. H. Wessel, M. Y. Cady, G. H. Sohrbeck, C. F. Hemenway, W. R. Moore, Moline, Ill.—P. H. Wessel, *Pres.*, M. Y. Cady, *Vice-Pres.*, W. R. Moore, *Sec. & Supt.*, C. F. Hemenway, *Treas.*—GENERAL OFFICE, 16th St., Moline, Ill.

Moline and Rock Island Street Car Co. operates 5 miles of road, owns 40 horses and 11 cars.—J. Huntoon, *Pres.*, J. M. Buford, *Sec.*, M. Lynde, *Treas.*, Wm. Gamble, *Supt.*—GENERAL OFFICE, Moline, Ill.

***North Chicago City Railway Co.** operates 37 miles (reduced to single track) of road, owns 1,700 horses and 316 cars. *Directors*, V. C. Turner, Jacob Rehm, Hiram Crawford, W. C. Gandy, Geo. L. Dunlap, Chicago, Ill.—V. C. Turner, *Pres. & Supt.*, Jacob Rehm, *Vice-Pres.*, Hiram Crawford, *Sec. & Treas.*, Aug. W. Wright, *Supt*, *Tr. & Const.*, F. L. Threedy, *Asst. Supt.*, John M. Roach, *Pur. Agt.*, J. M. Miller, *Mast. Car Rep.*—GENERAL OFFICE, 444 N. Clark St., Chicago, Ill.

Pekin City RR. Co.—Nothing has been done as yet on this road, except securing Articles of Incorporation. The company is awaiting the action of the Atchison, Topeka and Santa Fé RR., late purchaser of the Chicago and St. Louis RR. If they extend their line on a certain route, the street railway will be built without further delay.—Jas. R. Cooper, *Act. Sec.*—GENERAL OFFICE, Pekin, Ill.

Peoria Horse RR. Co. operates 5 miles of road, owns 100 horses, 40 mules and 58 cars.—H. R. Woodward, *Pres.*, M. Pfeifer, *Sec.*, H. M. Wheeler, *Treas.*, John Strong, *Supt. & P. A.*, A. J. Cleveland, *Act. Sec. & Treas.*—GENERAL OFFICE, Peoria, Ill.

***Quincy Horse RR. Co.** operates 6 miles of road, owns 118 mules and 21 cars.—Lorenzo Bull, *Pres.*, C. H. Bull, *Sec.*, E. J. Parker, *Treas.*, E. K. Stone, *Supt.*—GENERAL OFFICE, Quincy, Ill.

Rockford Street RR. Co. operates 6.40 miles of road, including double track and switches, owns 52 horses, 16 mules and 13 cars. *Directors*, A. Haines, Levi Rhoades, H. C. Price, John Baines, C. M. Brazee, R. F. Crawford, Alex. Forbes, Rockford, Ill.—A. Haines, *Pres.*, Levi Rhoades, *Vice-Pres.*, H. H. Robinson, *Sec.*, N. E. Lyman, *Treas.*, Fred Haines, *Supt.*, *P. A.*, *etc.*—GENERAL OFFICE, Rockford, Ill.

Rock Island and Milan Street RR. Co. operates 5 miles of road, owns 5 horses, 2 dummy engines, 8 passenger and 6 freight-cars.—Bailey Davenport, *Pres.*, *Supt.*, *etc.*, J. F. Robinson, *Treas.*—GENERAL OFFICE, Rock Island, Ill.

South Chicago City Ry. Co. operates 5 miles of road, owns 15 horses and 6 cars. *Directors*, D. S. Taylor, Andrew Krimbill, Andrew Rehm, Henry Scherer, Cyrus A. Pomeroy, Chicago, Ill.—D. S. Taylor, *Pres.*, Henry Scherer, *Vice-Pres. & Treas.*, Andrew Krimbill, *Sec.*—GENERAL OFFICE, 191 La Salle St., Chicago, Ill.

Springfield City Ry. Co. operates 7 miles of road, owns 68 horses, 17 mules, 3 dummies and 24 cars. *Directors*, A. L. Ide, Geo. N. Black, William Ridgely, Charles Ridgely, R. B. Zimmermann, Geo. M. Brinkerhoff, J. Taylor Smith, Springfield, Ill.—A. L. Ide, *Pres. & P. A.*, Geo. N. Black, *Vice-Pres.*, Geo. M. Brinkerhoff, *Sec.*, Wm. Ridgely, *Treas.*, Irwin Johnson, *Supt. & M. Tr. Rep.*—GENERAL OFFICE, Springfield, Ill.

Sterling Street RR.—In progress; no other information furnished.—GENERAL OFFICE, Sterling, Ill.

Urbana and Champaign Street RR. operates 2 miles of road, owns 20 horses, 4 cars and 1 other vehicle. *Directors*, Wm. Park, Frank G. Jacques, Minnie Jacques, Urbana, Ill.—Wm. Park, *Pres. & Supt.*, Frank G. Jacques, *Sec. & Treas.*—GENERAL OFFICE, Urbana, Ill.

Urbana RR. Co. operates 2 miles of road, owns 12 horses and 4 cars.—Wm. Park, *Pres. & Supt.*, Frank G. Jacques, *Sec. & Treas.*—GENERAL OFFICE, Urbana, Ill.

STATE OF INDIANA.

***Citizens' RR. Co.**—J. H. Bass, *Pres.*, G. E. Bunsley, *Sec.*, C. Graflmiller, *Supt.*—GENERAL OFFICE, Fort Wayne, Ind.

Citizens' Street RR. Co. operates 20 miles of road, owns 500 mules and 75 cars.—A. W. Johnson, *Pres.*, C. F. Johnson, *Vice-Pres.*, A. A. Anderson, *Sec.*, T. L. Johnson, *Man. & Treas.*, P. Wooldridge, *Supt. & Pur. Agt.*—GENERAL OFFICE, 80 Louisiana St., Indianapolis, Ind.

Citizens' Railway Co. (In progress.) Length of road, 3 miles. *Directors*, John McNaughton, A. J. Moody, F. W. Millard, E. P. Willard, J. W. Ellis, E. C. Bickel, G. C. Johnson, D. N. Weaver.—F. W. Miller, *Pres.*, G. C. Johnson, *Vice-Pres.*, E. C. Bickel, *Sec.*, A. R. Burns, *Treas.*, Elkhardt, Ind.—PRINCIPAL OFFICE, Elkhardt, Ind.

Evansville RR. Co. operates 14 miles of road, owns 180 mules and 31 cars.—John Gilbert, *Pres.*, *Treas. & P. A.*, P. W. Raleigh, *Sec.*, Wm. Bahr, *Supt.*—GENERAL OFFICE, Evansville, Ind.

Greencastle RR. Co. operates 2.25 miles of road, owns 14 horses, 3 cars and 3 other vehicles. *Directors*, Dudley Rogers, A. T. Keightley, Jas. S. Nutt, Ralph Rogers, John M. Might, John W. Earp, E. W. Rogers, Greencastle, Ind.—Dudley Rogers, *Pres. & Pur. Agt.*, A. T. Keightley, *Vice-Pres.*, J. S. Nutt, *Sec.*, Ralph Rogers, *Treas.*, E. W. Rogers, *Gen. Supt.*, Cal. Patterson, *Mast. Tr. Rep.*, Wm. Blankenship, *Mast. Car Rep.*—GENERAL OFFICE, Greencastle, Ind.

La Fayette Street RR. Co. operates 2.25 miles of road, owns 40 horses and 6 cars.—F. B. Caldwell, *Pres.*, E. A. Jones, *Sec. & Treas.*, F. Greene, *Supt.*—GENERAL OFFICE, La Fayette, Ind.

Logansport RR. Co. operates 2.5 miles of road, owns 40 horses and 6 cars. *Directors*, Frank G. Jaques, Minnie Jaques, Ida B. Hanes, Urbana, Ill.—Frank G. Jaques, *Pres.*, Ida B. Hanes, *Vice-Pres.*, Minnie Jaques, *Sec.*, Jenule E. Jaques, *Treas.*, W. P. Jaques, *Supt.*—GENERAL OFFICE, Urbana, Ill.

Madison Street Railway Co. operates 2.5 miles of road, owns 9 mules, 8 horses and 6 cars.—Jacob Wendle, *Pres.*, Peter F. Robinius, *Vice-Pres.*, John K. Weyer, *Sec.*, Chas. F. Tuttle, *Supt. & Treas.*—GENERAL OFFICE, 1036 North Walnut St., Madison, Ind.

New Albany Street RR. Co. operates 6 miles of road, owns 10 horses, 40 mules and 15 cars. *Dir*

HAINES BROS.,

Steam and Street Railways,

55 BROADWAY, NEW YORK.

Promoters of Steam & Street Railways.

Builders of over a score of Railways.

Unlimited Capital furnished for Building and Extending Railways.

Purchase Street Railway Franchises.

Information upon Railway Materials and Matters pertaining to any branch of the Railway Business cheerfully given.

"Public benefactors."—*Burlington Free Press and Times.*

"Accomplishing what few men would undertake to do."—*Rutland Herald.*

"Their reputation as builders of Street and Short Line Railways has become national."—*New York World.*

"Their work is a great triumph of constructive genius and financial skill."—*Syracuse Herald.*

"They not only make hay while the sun shines, but they seem to build Railroads after the orb of day goes to sleep in the West."—*Newburg News.*

"These gentlemen, as their work and history show, are the most eminent in the United States engaged in their pursuit."—*Newburg Journal.*

tors, Alex. Dowling, Albert Trinler, G. T. Vance, L. V. Vredenberg, New Albany, Ind.—Geo. T. Vance, *Pres.*, Memphis, Tenn., L. V. Vredenberg, *Treas.*, W. L. Tumbulake, *Supt. & Pur. Agt.*—GENERAL OFFICE, New Albany, Ind.

Richmond City RR. Co. operates 2.5 miles of road, owns 30 horses and 10 cars.—J. C. Shaffer, *Pres.*, *Pur. Agt. & Supt.*, J. F. Miller, *Vice-Pres.*, H. J. Miller, *Sec. & Treas.*—GENERAL OFFICE, 15 to 21 So. Seventh St., Richmond, Ind.

South Bend Street RR. Co. operates 7 miles of road, owns 60 horses and 24 cars.—Jacob Wolverton, *Pres.*, W. G. George, *Sec.*, Lucius Clark, *Treas.*, Wm. Miller, *Supt.*—GENERAL OFFICE, South Bend, Ind.

Terre Haute Street RR. Co. operates 6 miles of road, owns 32 mules, 16 horses and 10 cars.—T. C. Bunten, *Pres.*, J. H. Sprerhan, *Sec.*, W R. McKeen, *Treas.*, John T Schriner, *Supt.*—GENERAL OFFICE, Terre Haute, Ind.

Vincennes Citizens' Street RR. Co. operates 3.5 miles of road, owns 45 mules and 7 cars.—Fred Graeter, *Pres. & Treas.*, G. W. Graeter, *Sec., Supt., Pur. Agt., etc.*—GENERAL OFFICE, Fairgrounds Ave., Vincennes, Ind.

STATE OF IOWA.

Boone and Boonsboro Street RR. Co. operates 1.75 miles of road, owns 8 horses and 3 cars. *Directors*, L. W. Reynolds, Ira B. Hodges, A. B. Hodges, Boone, Ia.—L. W. Reynolds, *Pres.*, A. B Hodges, *Sec., Supt., Pur. Agt., etc.*, Ira. B. Hodges, *Treas.*—GENERAL OFFICE, Boone, Ia.

Burlington Street RR. Co. operates 2.25 miles of road, owns 24 horses, 9 cars and 4 sleighs.—John Patterson, *Pres.*, C. T. Patterson, *Sec., Treas., Supt., Pur. Agt., etc.*—GENERAL OFFICE, 1401 Summer St., Burlington, Ia.

***Cedar Rapids and Marion RR. Co.** operates 12 miles of road, owns 41 horses and mules, 3 motors and 11 cars. *Directors*, W. Greene, C. G. Greene, S. C. Bover, N. C. Blake, G. W. Bover, A J. McKean, Cedar Rapids, Ia.—Wm. Greene, *Pres.*, N. B. Consigny, *Sec.*, Geo. Greene, *Treas.*, W. Kisom, *Supt., Pur. Agt., etc.*—GENERAL OFFICE, Cedar Rapids, Ia.

***Clinton and Lyons Horse Ry. Co.** operates 5 miles of road, owns 40 horses and 15 cars. *Directors*, D. Joyce, R. N. Rand, Wm. A. Disbron, W. T. Joyce, R. W. Rand, E. S. Baily, C. H. Toll, Lyons, Ia.—D. Joyce, *Pres. & Treas.*, W. T. Joyce, *Sec.*, Frank Crapser, *Supt.*—GENERAL OFFICE, Lyons, Ia.

Council Bluffs Street RR. Co. operates 4.5 miles of road, owns 32 horses, 2 mules and 10 cars.—S. R. Callaway, *Pres.*, Geo. W. Hall, *Sec. & Treas.*, Wm. H. Burns, *Supt.*—GENERAL OFFICE, 506 First Ave., Council Bluffs, Ia.

Davenport Central RR. Co. operates 2.5 miles of road, owns 28 horses, 16 mules and 12 cars. *Directors*, James Grant, Geo. Murray, Walter Chambers, O. S. McNeil, John B. Fidlor, J. M. Eldridge, M. H. Cassell, W. L. Allen, W. M. Grant, Davenport, Ia.—Whit M. Grant, *Pres.*, W. L. Allen, *Vice-Pres.*, O. S. McNeil, *Sec.*, J. B. Fidlor, *Treas.*, J. W. Howard, *Supt.*—GENERAL OFFICE, Davenport, Ia.

Davenport City Ry. Co. operates 4 miles of road, owns 17 horses, 28 mules and 15 cars. *Directors*, F. H. Griggs, Hiram Price, W. H. Decker, E. S. Ballard, Henry Hills, S. D. Bowden, J. B. Phelps, Geo. E. Maxwell, C. S. Watkins.—C. S. Watkins, *Pres.*, S. D. Bowden, *Sec. & Treas.*, H. Schnitger, *Supt. & Pur. Agt.*—GENERAL OFFICE, Davenport, Ia.

Des Moines Broad Gauge Street Ry. Co. operates 7 miles of road, owns 35 horses and 6 cars.—G. Van Ginkel, *Pres.*, H. E. Teachant, *Sec.*, John Weber, *Treas.*—GENERAL OFFICE, Des Moines, Ia.

***Des Moines Street RR. Co.** operates 12 miles of road, owns 100 horses and 18 cars.—M. P. Turner, *Pres., Supt. & Pur. Agt.*, M. A. Turner, *Vice-Pres., Sec. & Treas.*—GENERAL OFFICE, 583 Seventh St., Des Moines, Ia.

Des Moines and Sevastopol Street RR. Co. operates 2 miles of road, owns 12 horses and 3 cars.—G. Van Ginkel, *Pres.*, G. C. Van Ginkel, *Sec.*, John Weber, *Treas.*—GENERAL OFFICE, Des Moines, Ia.

***Dubuque Street RR. Co.** operates 6 miles of road, owns 40 horses and 18 cars. *Directors*, Jos. A. Rhomberg, B. E. Linehan, A. L. Rhomberg, D. Rhomberg, D. W. Linehan, J. J. Linehan, Dubuque, Ia.—Jas. A. Rhomberg, *Pres.*, B. E. Linehan, *Sec. & Treas.*, J. J. Linehan, *Supt. & Pur. Agt., etc.*—GENERAL OFFICE, Charles Ave. and Twenty-first St., Dubuque, Ia.

***Keokuk Street Ry. Co.** operates 3.75 miles of road, owns 32 horses and 12 cars. *Directors*, James H. Anderson, R. James Anderson, Keokuk, Ia.; Julius S. Walsh, St. Louis, Mo.—James H. Anderson, *Pres.*, R. J. Anderson, *Sec.*, William E. Anderson, *Treas. & Supt.*—GENERAL OFFICE, 17 So. Fifth St., Keokuk, Ia.

Marshalltown Street Ry. Co. operates 2.5 miles of road, owns 17 horses and 7 cars.—B. F. Frederick, *Pres.*, C. C. Gilman, *Sec.*, T. E. Foley, *Treas.*, A. E. Shorthill, *Supt. Car Rep.*—GENERAL OFFICE, Marshalltown, Ia.

Muscatine City Ry. Co. operates 3.5 miles of road, owns 15 horses, 9 mules and 7 cars.—Peter Musser, *Pres.*, T. R. Fitzgerald, *Sec.*, Samuel M. Hughes, *Treas.*—GENERAL OFFICE, Muscatine, Ia.

Ottumwa Street RR. Co. operates 2 miles of road, owns 16 mules, 6 horses and 4 cars.—J. M. Hedrick, *Pres.*, H. L. Hedrick, *Treas. & Supt.*—GENERAL OFFICE, Ottumwa, Ia.

Red Oak Street RR. Co. operates 1.25 miles of road, owns 4 horses, 2 mules and 2 cars. *Directors*, M. Bonham, T. E. Looms, Jno. Hayes, Ed. Hayes, Red Oak, Ia.—Justus Clark, *Pres.*, Ben. B. Clark, *Vice-Pres.*, M. Bonham, *Supt. & Treas.*, T. M. Brykot, *Sec.*—GENERAL OFFICE, Red Oak, Ia.

***Sioux City Street Ry. Co.** operates 10 miles of road, owns 50 mules, 100 horses and 20 cars. *Directors*, F. T. Evans Frank H. Peavey, James F. Peavey, Geo. W. Wakefield, F. T. Evans, Jr., Sioux City, Ia.—F. T. Evans, *Pres.*, Frank H. Peavey, *Vice-Pres.*, James F. Peavey, *Sec. & Gen. Man.*, F. T. Evans, Jr., *Gen. Supt. & Treas.*—GENERAL OFFICE, Sioux City, Ia.

Twin City and Des Moines River Motor Street Railway Co. operates 2.75 miles of road, owns 2 motors and 3 cars. *Directors*, Ira B. Hodges, S. K. Huntsinger, A. B. Hodges, Boone, Ia.—Ira B. Hodges, *Pres., Supt., etc.*, S. K. Huntsinger, *Sec.*, A. B. Hodges, *Treas.*—GENERAL OFFICE, Boone, Ia.

Union RR. Co. operates 7 miles of road, owns 51 horses, 74 mules and 23 cars.—Geo. E. Rust, *Pres.*, F. G. Jones, *Sec. & Treas.*, J. C. Killam, *Supt.*, S. W. Snyder, *Pur. Agt.*—GENERAL OFFICE, Burlington, Ia.

Waterloo Street Railway Co. operates 1.75 miles of road, owns 19 horses, 3 cars and 5 other vehicles. *Directors*, T. N. Kellogg, J. A. Foye, W. H. Hartman, Waterloo, Ia.—W. H. Hartman, *Pres.*, J. A. Foye, *Vice-Pres. & Supt.*, T. N. Kellogg, *Sec. & Treas.*—GENERAL OFFICE, Waterloo, Ia.

STATE OF KANSAS.

Alibene Street Ry. Co. operates 1.5 miles of road, owns 2 cars.—G. W. Hurd, *Pres.*, J. B. Case, *Sec. & Treas.*—GENERAL OFFICE, Alibene, Kan.

Atchison Street RR. Co. operates 6.5 miles of road, owns 60 horses and 12 cars.—J. H. Beeson, *Pres.*, A. W. Bartlett, *Vice-Pres.*, H. M Jackson, *Sec.*, W. W. Hetherington, *Treas.*, John Mullins, *Supt.*—GENERAL OFFICE, Atchison, Kan.

Bourbon County Street RR. Co. operates 7 miles of road, owns 24 mules, 4 horses, 7 cars and 2 transfer wagons.—M. B. Pearsall, *Pres.*, J. D. McCleverty, *Vice-Pres.*, C. W. Goodlander, *Sec.*, W. Chenault, *Treas.*, E. Strong, *Gen. Supt.*—GENERAL OFFICE, Fort Scott, Kan.

Emporia City Ry. Co. operates 4 miles of road, owns 24 mules and 8 cars.—Van R. Holmes, *Pres.*, N. F. Crowe, *Treas.*, J. W. Holden, *Man.*—GENERAL OFFICE, Emporia, Kan.

Lawrence Transportation Co. operates 5.5 miles of road, owns 34 horses and 8 cars. *Directors*, H. Tisdale, W. N. Bangs, George Fricker, Lawrence, Kan.; J. W. Parker, R. L. Pease, Atchison, Kan.—H. Tisdale, *Pres. & Treas.*, W. N. Bangs, *Sec.*, Geo. Fricker, *Supt.*—GENERAL OFFICE, Lawrence, Kan.

Salina Street Ry. Co. operates 2 miles of road, run by contract.—M. D. Herrington, *Pres.*, A. L. Dodge, *Sec.*, M. D. Teague, *Treas.*, E. W. Ober, *Gen. Supt.*—GENERAL OFFICE, Salina, Kan.

Street Car Heaters

MANUFACTURED BY

H. B. MILMINE & CO.

The only heater manufactured that stands upright in car and yet does not occupy floor or seat space. The pipe is entirely outside of car, going through the hood, which thus avoids cutting a hole through the deck. This heater is fired from the outside; no coal, ashes, dust or soot can possibly enter the car. Ten cents worth of coal will heat the car the coldest day in the year. Any one wishing heaters would do well to write us enquiring for prices and description. Can refer to the best Street Railway Companies in the United States.

WE ALSO MANUFACTURE

Street Car Wheels,

STEEL AXLES, ROFF-EMERY PATENT BRAKE,

AND THE

Entire Running Gear of Street Cars.

Any one wanting wheels pressed on steel axles, whether they want new wheels pressed on old axles, or old wheels pressed on new axles, will write us, we will gladly send them an estimate of the cost of same delivered in their city.

Will guarantee our wheels to be well chilled and equal to anything in the market. For full particulars, address

H. B. MILMINE & CO., Toledo, Ohio.

***Topeka City RR. Co.** operates 10 miles of road, owns 100 horses and 28 cars. *Directors*, Joab Mulvane, H. K. Rowley, E. Wilder, J. R. Mulvane, C. K. Holliday, J. P. Griswold, George Noble, Topeka, Kan.—Joab Mulvane, *Pres.*, H. K. Rowley, *Vice-Pres.*, E. Wilder, *Sec. & Treas.*, Jesse Shaw, *Supt.*—GENERAL OFFICE, cor. 10th St. and Kansas Ave., Topeka, Kan.

Wichita City Ry. Co. operates 23 miles of road, owns 210 mules, 10 horses, 36 cars and 2 other vehicles.—G. L. Rouse, *Pres.*, J. O. Davidson, *Treas.*, G. M. Dickson, *Sec. & Gen. Man.*—GENERAL OFFICE, 436 North Main St., Wichita, Kan.

STATE OF KENTUCKY.

***Central Passenger Street RR. Co.** operates 27 miles of road, owns 700 horses and 150 cars. *Directors*, B. du Pont, T. J. Minary, H. V. du Pont, F. Lamott, T. C. Donigan, Louisville, Ky.—B. du Pont, *Pres.*, T. J. Minary, *Vice-Pres., Supt. & P. A.*, T. C. Donigan, *Sec. & Treas.*—GENERAL OFFICE, Eighteenth and Walnut Sts., Louisville, Ky.

Crescent Hill RR. Co. operates 3 miles of road, owns 12 horses and 5 cars.—David Franz, Jr., *Pres.*, T. C. Donigan, *Sec. & Treas.*, A. V. du Pont, *Gen. Supt.*—GENERAL OFFICE, Louisville, Ky.

Jefferson Street RR. Co.—In progress; no further information.—GENERAL OFFICE, Louisville, Ky.

Kentucky Street RR. Co. operates 4.5 miles of road, owns 8 cars. *Directors*, B. du Pont, J. S. Phelps, J. T. Weller, T. J. Minary, Louisville, Ky.—T. J. Minary, *Pres*, T. C. Donigan, *Sec.*—GENERAL OFFICE, Eighteenth and Walnut Sts., Louisville, Ky.

Lexington City RR. Co. owns 85 horses and 20 cars.—John Cross, *Pres. & Treas.*, C. R. Diver, *Vice-Pres.*, Albert Cross, *Sec. & Supt.*—GENERAL OFFICE, Lexington, Ky.

***Louisville City Ry. Co.** operates 70 miles of road, owns 1,500 mules, 250 cars and 10 other vehicles. *Directors*, A. H. Davis, Syracuse, N. Y.; T. B. Speed, St. John Boyle, Theodore Harris, A. P. Humphrey, H. H. Littell, E. C. Bohne, Louisville, Ky.—A. H. Davis, *Pres.*, St. J. Boyle, *Vice-Pres.*, R. A. Watts, *Sec. & Treas*, H. H. Littell, *Supt. & P. A.*, B. B. Gilman, *Mast. Tr. Rep*, Jacob Smith, *Mast. Car Rep.*—GENERAL OFFICE, Louisville, Ky.

Maysville St. RR. and Transfer Co. operates 8 miles of road, owns 5 horses, 30 mules and 6 cars.—L. W. Robertson, *Pres.*, W. S. Frank, *Treas.*, *Sec.*, *Pur. Agt. & Supt.*, James Limbrick, *Supt. Car Rep.*—GENERAL OFFICE, Court St., Maysville, Ky.

***Newport and Dayton Street Ry. Co.** operates 2 miles of road, owns 32 horses, 3 mules and 9 cars.—W. W. Bean, *Pres.*, *Sec.*, *Treas.*, *Supt. & Pur. Agt.*, Chas. S. Beach, *Mast. Tr. Rep.*—GENERAL OFFICE, Dayton, Ky.

Owensboro Street RR. Co. operates 3.5 miles of road, owns 8 horses and 6 cars.—J. M. Alsop, *Pres.*, J. A. Friqua, *Sec.*, J. D. Powers, *Treas.*, W. H. Lanier, *Supt.*—GENERAL OFFICE, Owensboro, Ky.

Park RR. Co. operates 2 miles of road, owns 8 horses and 3 cars.—H. H. Houston, *Pres.*, *Sec. & Treas.*, P. Muller, *Supt.*—GENERAL OFFICE, Paducah, Ky.

***South Covington and Cincinnati Street Ry. Co.** operates 17.75 miles of road, owns 296 horses and 46 cars.—E. F. Abbott, *Pres.*, G. M. Abbott, *Treas.*, J. C. Benton, *Sec.*—PRINCIPAL OFFICE, 432 Scott St., Covington, Ky.

STATE OF LOUISIANA.

Canal and Claiborne Street Ry. Co. operates 13 miles of road, owns 210 mules and 40 cars. *Directors*, E. J. Hart, Jr., E. J. Hart, W. B. Schmidt, E. P. Brugere, C. K. Hall, B. J. Montgomery, I. N. Marks, New Orleans, La.—E. J. Hart, *Pres.*, Jas. H. De Grange, *Sec.*, *Treas.*, *Supt. & P. A.*—GENERAL OFFICE, 6 Camp St., New Orleans, La.

Crescent City RR. Co. operates 26 miles of road, owns 400 horses and 90 cars.—W. J. Behan, *Pres.*, J. R. Juden, *Sec. & Treas.*, A. V. Smith, *Supt.*—GENERAL OFFICE, Canal and Wells Sts., New Orleans, La.

New Orleans and Carrollton RR. Co. operates 16 miles of road, owns 35 horses, 175 mules, 17 steam dummies and 65 cars.—W. Van Benthuysen, *Pres.*, Walter V. Crouch, *Sec. & Treas.*, C. V. Haille, *Supt. & P. A.*, John Dahmer, *Mast. Car Rep.*—GENERAL OFFICE, 17 Brown St., New Orleans, La.

New Orleans City and Lake RR. Co. operates 54 miles of road, owns 700 mules and 240 cars.—J. A. Walker, *Pres.*, W. E. Leverich, *Sec.*, F. Wintz, *Supt.* GENERAL OFFICE, New Orleans, La.

New Orleans, Spanish Fort and Lake RR. Co.—Charles Schiff, *Pres.*, John Glynn, Jr., *Sec. & Treas.*, E. S. Tyler, *Supt.*—GENERAL OFFICE, New Orleans, La.

Orleans Street Railway Co. operates 10 miles of road, owns 46 horses, 96 mules and 32 cars. *Directors*, H. Larquie, S. Hernsheim, B. Boenbay, R. Viosca, F. Lisnongi, J. Ferran, G. Esnard.—H. Larquie, *Pres.*, *Supt. & P. A.*, P. Cougot, *Sec. & Treas.*—GENERAL OFFICE, White and Laharpe Sts., New Orleans, La.

Shreveport Street Ry. Co. operates 0.5 miles of road, owns 14 horses and 3 cars.—Peter Youree, *Pres.*, *Sec. & Supt.*—GENERAL OFFICE, Shreveport, La.

St. Charles Street Railway Co. operates 15 miles of road, owns 260 mules and 61 cars. *Directors*, Alden McLellan, Wm. H. McLellan, A. R. Brousseau, Benj. Miller, Henry Ellermann, Oscar Isnard, H. T. Vennard, New Orleans, La.—Alden McLellan, *Pres.*, *Supt.*, *Pur. Agt.*, *etc*. V. Riviere, *Sec.*—GENERAL OFFICES, Carondelet and Eighth Sts., New Orleans, La.

STATE OF MAINE.

Lewiston and Auburn Horse RR. Co. operates 7.5 miles of road, owns 45 horses and 24 cars.—F. W. Dana, *Pres.*, C. C. Corbett, *Sec. & Treas.*, J. E. Fairbanks, *Supt.*—GENERAL OFFICE, Lewiston, Me.

Ocean Street RR. Co. owns 1.25 miles of road, 4 horses and 1 car.—W. R. Wood, *Pres.*, E. A. Newman, *Sec.*, *Treas.*, *Supt. & P. A.*—GENERAL OFFICE, 484 Congress St., Portland, Me.

Portland RR. Co. operates 8.63 miles of road, owns 154 horses and 34 horse-cars.—H. J. Libby, *Pres.*, E. A. Newman, *Treas.*, *Gen. Man. & P. A.*, Geo. W. Soule, *Supt.*—GENERAL OFFICE, 484 Congress St., Portland, Me.

STATE OF MARYLAND.

Baltimore, Catonsville and Ellicott's Mills Passenger Ry. Co. operates 6 miles of road, owns 40 horses and 11 cars.—T. C. Robbins, *Pres.*, W. W. Orndorff, *Sec*, E. J. D. Cross, *Treas.*—GENERAL OFFICE, Pratt St. and Frederick Ave., Baltimore, Md.

Baltimore City Passenger Ry. Co. operates 44.5 miles of road, owns 1,300 horses and 134 cars. *Directors*, Oden Bowie, Gabriel D. Clark, Jackson Holland, Wesley A. Tucker, Austin Jenkins, George Small, John Bolgiano, Baltimore, Md.—Oden Bowie, *Pres.*, *Supt. & P. A.*, S. L. Bridge, *Sec.*, John Bolgiano, *Treas.*, Boyer Parks, *Mast. Tr. Rep.*, J. M. Blundell, *Mast. Car Rep.*—GENERAL OFFICE, Baltimore and Calvert Sts., Baltimore, Md.

Baltimore and Hall Springs RR. Co. operates 4.5 miles of road, owns 68 horses and 14 cars.—H. J. Keyser, *Pres.*, James F. Heywood, *Supt.*—GENERAL OFFICE, Baltimore, Md.

Baltimore, Pimlico and Pikesville RR. Co. operates 7 miles of road, owns 16 horses, 1 mule and 3 cars.—P. H. Walker, *Pres. & P. A.*, Noah Walker, *Sec.*, Arthur Chenowith, *Treas. & Supt.*—GENERAL OFFICE, Pikesville, Baltimore County, Md.

Baltimore and Powhatan Suburban Ry. Co. operates 6 miles of road, owns 20 horses and 4 cars. *Directors*, B. Lacy, T. A. Seth, W. P. Webb, R. B. Clark, E. D. Freeman, Baltimore, Md.—E. D. Freeman, *Pres. & Treas.*, R. B. Clark, *Sec.*, I. McKitrick, *Supt.*—GENERAL OFFICE, 406 Laurens St., Baltimore, Md.

***Baltimore Union Passenger RR. Co.** operates 18 miles of road, owns 237 horses and 37 cars.—Nelson Perin, *Pres.*, E. J. D. Cross, *Treas.*, T. C. Robbins, *Supt.*—GENERAL OFFICE, Baltimore, Md.

Central Ry. Co. operates 5.5 miles (double track) of road, owns 163 horses, 22 cars and 3 sweepers.—Peter Thomson, *Pres. & Gen. Man.*, Walter Blakistone, *Sec.*, *Treas. & P. A.*, Jas. Bunting, *Mast. Car Rep.*—GENERAL OFFICE, Preston and Constitution Sts., Baltimore, Md.

Citizens' Ry. Co. operates 25 miles of road, owns 360 horses and 40 cars.—J. S. Hagerty, *Pres.*, W. N.

S. M. CARPENTER, Prop. C. J. LANGDON, Sec'y.

FULTON FOUNDRY

MANUFACTURERS OF

Street Railway Supplies,

CARPENTER'S

Patent Turn-Tables and Transfer-Tables.

OPEN WHEELS

OF ALL SIZES AND WEIGHTS.

WHEELS AND AXLES

Of all sizes fitted on short Notice.

Chilled Curve Rail, Turnouts, Switches, etc., etc. Blue Prints and Bills Furnished on Application.

Send for Illustrated Catalogue. Address

FULTON FOUNDRY,

202 Merwin St., CLEVELAND, OHIO.

Hammersley, *Sec.*, Geo. V. Keen, *Treas.*, C. C. Speed, *Supt.*—GENERAL OFFICE, Reliat St., Baltimore, Md.

Highlandtown and Point Breeze RR. Co. operates 12 miles of road, owns 98 horses and 25 cars.—Francis Hazlehurst, *Pres.*, M. A. McCormick, *Sec.*, William Selfridge, *Treas.*, James Smith, *Supt.*—GENERAL OFFICE, Highlandtown, Baltimore Co., Md.

***North Baltimore Passenger Ry. Co.** operates 21 miles of road, owns 400 horses and 65 cars. *Directors*, Jas. A. Gary, German H. Hunt, Chas. E. Dickey, Daniel J. Foley, Jas. W. Tyson, C. Morton Stewart, Wm. H. Blackford, Wallace King, Baltimore, Md.—Jas. L. McLane, *Pres. & Gen. Man.*, Thos J. Wilson, *Sec.*, C. Morton Stewart, *Treas.*—GENERAL OFFICE, McMechin St. and Mt. Royal Ave., Baltimore, Md.

***People's Ry. Co.** operates 6.5 miles of road (double track), owns 210 horses and 38 cars. *Directors*, T. E. Hambleton, Jno. A. Hambleton, Jacob Hecht, F. S. Hambleton, Gustavus Ober, Wm. A. Home, Baltimore, Md.; Jacob Tome, Port Deposit, Md.—T. E. Hambleton, *Pres.*, Jacob Hecht, *Vice-Pres.*, Wm. A. House, *Sec., Supt. & P. A.*, Gustavus Ober, *Treas.*, C. H. Roberts, *Mast. Tr. Rep.*, Jno. Christopher, *Mast. Car Rep.*—GENERAL OFFICE, Clifton, Baltimore Co., Md.

Pimlico and Pikesville Ry. Co. operates 6 miles of road. *Directors*, Wm. Thirlez, S. H. Caughz, Dixon Walker, Frank Caughz, Baltimore, Md.; P. H. Walker, Noah Walker, A. Chenoweth, Pikesville, Baltimore County, Md.—Noah Walker, *Sec.*, A. Chenoweth, *Treas., Supt & P. A.*, Ed. Lutwig, *Mast. Car & Tr. Rep.*—GENERAL OFFICE, Pikesville, Baltimore Co., Md.

York Road RR. Co. operates 8 miles of road, owns 120 horses and 30 cars.—S. H. Taggart, *Pres.*, A. D. Sanks, *Supt.*—GENERAL OFFICE, 5 N. Holliday St., Baltimore, Md.

STATE OF MASSACHUSETTS.

Acushnet Street Ry. Co. See Union Street Ry. Co.

Albany Street Freight Ry. Co. operates 0.856 miles of road. *Directors*, Greeley S Curtis, Robert H. Stevenson, Chas. L. Peirson, Henry L. Higginson, Geo. F. Childs, Boston, Mass.—C. L. Peirson, *Pres.*, Geo. F. Childs, *Clerk & Treas.*—GENERAL OFFICE, Boston, Mass.

Arlington Street RR. Co. owns 1.576 miles of road, which is leased to Cambridge Street Ry. Co. *Directors*, John Schouler, Arlington, Mass.; George N. Elliott, Malden, Mass.; James W. Emery, Portsmouth, N. H.—John Schouler, *Pres.*, Frederick T. Stevens, *Treas.*, Estes Howe, *Clerk.*—GENERAL OFFICE, Cambridge, Mass.

Black Rocks and Salisbury Beach Street Ry. Co. operates 1.789 miles of road, owns dummy-engine and 5 cars. *Directors*, Harvey N. Shepard, Boston, Mass.; Enoch T. Northend, Edward P. Shaw, Moses M. Ross, Newburyport, Mass.; David Sanborn, Salisbury, Mass.; Wm. D. Northend, Salem, Mass.—Harvey N. Shepard, *Pres.*, Boston, Mass.; Enoch T. Northend, *Supt.*, George Tilton, *Clerk & Treas.*—GENERAL OFFICE, Newburyport, Mass.

***Brockton Street RR. Co.** operates 11.462 miles of road, owns 140 horses, 32 cars and 18 other vehicles. *Directors*, William W. Cross, Brockton, Mass.; Thomas Dana, Asa P. Potter, Boston, Mass.; C. W. Sumner, H. W. Robinson, Brockton, Mass.—Wm W. Cross, *Pres.*, C. R. Fillibrown, *Treas.*, Horace B. Rogers, *Supt., Mast. Tr. Rep., etc.*—GENERAL OFFICE, Brockton, Mass.

Boston and Chelsea RR. Co. owns 4.116 miles of road. Leased to Middlesex RR. Co. and operated by the Lynn & Boston RR. Co. *Directors*, W. W. Wheildon, Concord, Mass.; R. E. Demmon, T. Q. Broune, Chas. E. Powers, Boston, Mass.; Geo. M. Brooks, Estes Howe, Cambridge, Mass.; Benj H. Dewing, Revere, Mass.—W. W. Wheildon, *Pres.*, John H. Studley, Jr., *Sec. & Treas.*—GENERAL OFFICE, 27 Tremont Row, Boston, Mass.

***Boston Consolidated Street Ry. Co.** operates 42.958 miles of road, and 7.46 miles other roads, owns 1,750 horses, 331 cars and 53 other vehicles.—Chas. E Powers, *Pres.*, Moody Merrill, *Treas.*, John H. Studley, Jr., *Asst. Treas.*, J. E. Rugg, *Gen. Supt.*, J. H Studley, *Supt.*—GENERAL OFFICE, Tremont Row, cor. Pemberton Sq., Boston, Mass.

***Cambridge Street RR. Co.** operates 56 miles of road, owns 1,500 horses, 327 cars and 19 other vehicles. *Directors*, Otis S. Brown, C. E. Raymond, Walter P. Swan, Edmund Reardon, Samuel L. Montague, Edwin Dresser, Israel M. Spelman, Cambridge, Mass.; Joseph H. Tyler, Winchester, Mass.; Prentiss Cummings, Francis J. Parker, Boston, Mass.; Henry T. Woods Somerville, Mass.—Prentiss Cummings, *Pres.*, F. Perrin, *Treas.*, Wm A. Bancroft, *Supt.*—GENERAL OFFICE, Cambridge, Mass.

***Charles River Street RR. Co.** Consolidated with the Cambridge Street RR. Co. October 1, 1886, which see.

Citizens' Street Ry. Co. owns 9.5 miles of road, 81 horses, 18 cars and 1 other vehicle. *Directors*, Chas. B. Pratt, N. S. Liscomb, Hiram Fobes, H. S. Seeley, Worcester, Mass.; G. H. Seeley, New York, N. Y.; G. F. Mellen, Fall River, Mass.—Charles B. Pratt, *Pres.*, H. S. Seeley, *Sec. & Treas.*, J. N. Akerman, *Supt.*—GENERAL OFFICE, Worcester, Mass.

East Middlesex Street Ry. Co. (formerly Stoneham Street Ry. Co.) operates 2.73 miles of road, owns 30 horses and 11 cars. Extensions in progress: 3 miles T rail track, Stoneham to Woburn, Mass.; 6 miles of Johnson girder rail in Melrose and Malden, Mass.; 3 miles flat rail in Revere and Saugus, Mass. *Directors*, Amos F. Breed, Philip A. Chase, David H. Sweetser, Elwin C. Foster, Lynn, Mass.; Lyman Dike, Stoneham, Mass.; Benj. Hinckley, Woburn, Mass.; Frank H. Monks, Brookline, Mass.

Fitchburg Street Ry. Co. operates 3.26 miles of road, owns 34 horses, 9 cars and 4 other vehicles.—H. A. Willis, *Pres.*, H. C. Hartwell, *Sec.*, B. F. Wallis, *Treas.*, W. W. Sargent, *Pur. Agt. & Supt.*—GENERAL OFFICE, Fitchburg, Mass.

***Globe Street RR. Co.** operates 16 miles of road, owns 203 horses and 47 cars. *Directors*, G. H. Hawes, John S. Brayton, Andrew J. Borden, Marcus G. B. Swift, Fall River, Mass.; Frank S. Stevens, Swansea, Mass.; Joseph A. Beauvais, Thomas B. Wilcox, New Bedford, Mass.—F. S. Stevens, *Pres.*, John H. Bowker, Jr., *Supt.*, Frank W. Brightman, *Treas.*, Marcus G. B. Swift, *Sec.*—GENERAL OFFICE, Fall River, Mass.

***Gloucester Street Ry. Co.** operates 4.07 miles of road, owns 92 horses, 13 cars and 6 other vehicles.—M. C. Fitch, *Pres.*, F. W. Homans, *Treas.*, D. S. Presson, *Sec.*, W. A. Straugman, *Supt.*—GENERAL OFFICE, Gloucester, Mass.

Haverhill and Groveland Street Ry. Co. operates 13.78 miles of road, owns 120 horses, 36 cars, 3 sleighs and 1 omnibus. *Directors*, J. B. Swett, Levi Taylor, Ira O. Sawyer, Wm. H. Smiley, John A. Colby, Ira A. Abbott, John A. Gale, Haverhill, Mass.—J. B. Swett, *Pres.*, John A. Colby, *Sec. & Treas.*—GENERAL OFFICE, 3 Water St., Haverhill, Mass.

***Highland Street RR. Co.**—See Boston Consolidated Street Railway Company.

Holyoke Street RR. Co. operates 4 miles of road, owns 55 horses and 13 cars. *Directors*, W. A. Chase, F. P. Goodall, J. A. Sullivan, G. E. Dudley, C. B. Prescott, G. H. Smith, Holyoke, Mass.; S. G. Gaylord, H. Smith, South Hadley, Mass.—W. A. Chase, *Pres.*, C. Fayette Smith, *Treas. & P. A.*, W. H. Brooks, *Sec.*, H. M. Smith, *Supt. & Mast. Tr. Rep.*—GENERAL OFFICE, Holyoke, Mass.

Hoosac Valley Street Ry. Co. operates 6 miles of road, owns 35 horses and 8 cars.—Wm. B. Baldwin, *Pres.*, L. W. Cronkhite, *Vice-Pres.*, S. P. Thayer, *Sec.*, Chas. T. Beach, *Treas.*, J. D. Haines, *Pur. Agt.*, H. A. Fitzsimons, *Man.*, J. Kingsley, *Supt. Car Rep.*—GENERAL OFFICE, Wilson House, North Adams, Mass.

***Lowell Horse RR. Co.** operates about 9 miles of road, owns 99 horses, 28 cars, 5 sleighs and 2 omnibuses. *Directors*, W. E. Livingston, James A. Chase, Lowell Mass.; George N. Kennedy, W. G. Tracy, Syracuse, N. Y.—W. E. Livingston, *Pres.*, Geo. N. Kennedy, *Vice-Pres.*, J. A. Chase, *Sec., Treas., Supt., P. A., etc.*—GENERAL OFFICE, 33 Hildreth Building, Lowell, Mass.

***Lynn and Boston RR. Co.** operates 49.399 miles of road, owns 748 horses, 175 cars and 9 sleighs. *Directors*, Amos F. Breed, Aza A. Breed, Philip A. Chase, Lynn Mass.; Isaac Stebbins, William R. Pearmain, Chelsea, Mass.; William Sprague, John Reed, Thomas

P. Proctor, E. Francis Oliver, Boston, Mass.—A. F. Breed, *Pres.*, E. F. Oliver, *Sec. & Treas.*, E. C. Foster, *Supt. & P. A.*, C. F. Decatur, *Mast. Tr. Rep.*—GENERAL OFFICE, 13 Tremont Row, Boston, Mass.

Malden and Melrose RR. Co. owns 3.83 miles of road, which is leased to the Boston Consolidated St. Ry. *Directors*, Charles E. Powers, James H. McFarland, Linus M. Child, John H. Studley, Boston, Mass.; Marcellus Coggan, Malden, Mass.—Chas. E. Powers, *Pres. & Treas.*, J. H. McFarland, *Sec.*—GENERAL OFFICE, 27 Tremont Row, Boston, Mass.

Merrimack Valley Street RR. Co. operates 5.8 miles of road, owns 17 horses and 20 cars. *Directors*, William A. Russell, A. W. Stearns, Hezekiah Plummer Lawrence, Mass.; James Walton, Methuen, Mass.; John A. Wiley, North Andover, Mass.—W. A. Russell, *Pres.*, J. H. Eaton, *Sec.*, *Treas. & P. A.*, A. N. Kimball, *Supt. & Mast. Tr. Rep.*—GENERAL OFFICE, Lawrence, Mass.

***Metropolitan RR. Co.** operates 71.41 miles of road, owns 3,813 horses, 664 cars, 2 omnibuses and 24 sleighs. *Directors*, Calvin A. Richards, William Hendry, William A. Rust, Stephen R. Niles, Thomas Dana, Augustus P. Martin, Edward O. Shepard, Boston, Mass.; Dexter N. Richards, Brookline, Mass.; Liberty Bigelow, Melrose, Mass.—C. A. Richards, *Pres.*, Wm. P. Harvey, *Sec.*, Chas. Boardman, *Treas.*, J. H. Randall, *Mast. Tr. Rep.*—GENERAL OFFICE, 16 Kilby St., Boston, Mass.

***Middlesex RR. Co.**—See Boston Consolidated Street Railway Company.

***Naumkeag Street RR. Co.** owns 27 miles of road, and operates 7.78 miles of other roads, owns 275 horses, 80 cars, 5 omnibuses, 16 sleighs and 12 other vehicles. *Directors*, Charles Odell, William Mack, Henry Wheatland, Nathan Nichols, John M. Anderson, Salem, Mass.; Charles C. G. Thornton, Boston, Mass.; Rufus H. Brown, Peabody, Mass.—Charles Odell, *Pres.*, Willard B. Ferguson, *Supt. & P. A.*, Henry Wheatland, *Treas.*, Joseph F. Hickey, *Sec.*, Edward A. Soule, *Mast. Tr. Rep.*, Frank A. Evitts, *Mast. Car Rep.*—GENERAL OFFICE, 233 Essex St., Salem, Mass.

Natick and Cochituate Street Ry. Co. operates 3.2 miles of road, owns 17 horses, 7 cars and 6 other vehicles. *Directors*, Harrison Harwood, Frank H. Hayes, J. O. Wilson, Chas. Pook, O. A. Felch, Natick, Mass.; Wm. H. Bent, Geo. F. Keep, Cochituate, Mass.—Harrison Harwood, *Pres.*, Frank H. Hayes, *Sec.*, Wm. H. Bent, *Treas.*, Geo. F. Keep, *Supt.*—GENERAL OFFICE, Natick, Mass.

***New Bedford and Fairhaven Street Ry. Co.** See Union Street Ry. Co.

***Newburyport and Amesbury Horse Ry. Co.** owns and operates 6.67 miles of road. *Directors*, Charles Odell, W. B. Ferguson, J. M. Anderson, Salem, Mass.; Geo. H. Stevens, Newburyport, Mass.; E. Ripley Sibley, Amesbury, Mass.; Harvey N. Shepard, C. C. G. Thornton, Boston, Mass.—Charles Odell, *Pres.*, Salem, Mass.; George H. Stevens, *Clerk*, A. G. Reynolds, *Treas.*—GENERAL OFFICE, Newburyport, Mass.

Northampton Street Ry. Co. operates 3.2 miles of road, owns 35 horses, 9 cars and 3 other vehicles. *Directors*, Oscar Edwards, M. H. Spaulding, J. L. Warriner, J. C. Hammond, E. C. Clark, Northampton, Mass.—Oscar Edwards, *Pres.*, E. C. Clark, *Supt. & Treas.*, M. H. Spaulding, *Sec.*—GENERAL OFFICE, Northampton, Mass.

North Woburn Street Ry. Co. operates 4.82 miles of road, owns 27 horses and 9 cars. *Directors*, Amos F. Breed, Elwin C. Foster, Lynn., Mass.; John M. Harlow, Benj. Hinckley, Gilman F. Jones, Woburn, Mass.; Frank H. Monks, Brookline, Mass.

Pittsfield Horse RR. Co.—In progress; no further information.—GENERAL OFFICE, Pittsfield, Mass.

Salem Street Ry. Co. owns 7.79 miles of road, which is leased to Naumkeag Street Railway Co. *Directors*, Benjamin W. Russell, William Mack, Henry Wheatland, Samuel P. Andrews, Zina Goodell, Salem, Mass.—Benjamin W. Russell, *Pres.*, William Mack, *Treas.*, Henry Wheatland, *Clerk.*—GENERAL OFFICE, 233 Essex St., Salem, Mass.

***Salem and Danvers Street Ry. Co.** operates 13.63 miles of road, owns 117 horses, 24 cars and 6 other vehicles. *Directors*, Benjamin W. Russell, Geo. W. Williams, S. E. Peabody, Thomas H. Johnson, Z. A. Gallup, A. L. Huntington, Salem, Mass.; Charles H. Gould, George W. Fiske, Danvers, Mass.; Jacob C. Rogers, Peabody, Mass.—Benjamin W. Russell, *Pres.*, George A. Vickery, *Sec. & Treas.*, David N. Cook, *Supt., P. A., etc.*—GENERAL OFFICE, 96 Washington St., Salem, Mass.

Somerville Horse RR. Co. owns 5.435 miles of road, leased to and operated by the Boston Consolidated Street Railway Company. *Directors*, Samuel E. Sewall, Melrose, Mass.; Reuben E. Demmon, Jno. H. Studley, Jr., Charles E. Powers, Boston, Mass.; Josiah Q. Bennett, Somerville, Mass.—Samuel E. Sewall, *Pres.*, Melrose, Mass.; John H. Studley, Jr., *Treas. & Clerk*, Boston, Mass.—GENERAL OFFICE, 27 Tremont Row, Boston, Mass.

South Boston Street Ry. Co. owns 13.22 miles road, and uses 2.26 miles track of other roads, owns 956 horses and 226 cars. *Directors*, Benjamin Dean, C. H. Hersey, N. J. Rust, Ezra H. Baker, Henry H. Fay, Boston, Mass.; M. Anagnos, Francis James, South Boston, Mass.—C. H. Hersey, *Pres.*, E. H. Baker, *Vice-Pres.*, Daniel Coolidge, *Supt.*, M. Anagnos, *Sec.*, C. B. Cummings, *Treas.*, E. G. Harridan, *Mast. Car Rep.*—GENERAL OFFICE, 715 Broadway, South Boston, Mass.

***Springfield Street Ry. Co.** owns four lines in Springfield, aggregating 8.17 miles, owns 114 horses, 28 cars and 12 other vehicles. *Directors*, John Olmstead, G. M. Atwater, C. L. Covell, James Kirkham, Gideon Wells, Springfield, Mass.—John Olmstead, *Pres. & P. A.*, F. E. King, *Supt.*, A. E. Smith, *Treas.*—GENERAL OFFICE, 1 Main St., Springfield, Mass.

Sunset Street RR. Co.—Construction in progress; no further information.—GENERAL OFFICE, Pittsfield, Mass.

***Taunton Street Ry. Co.** operates 4.09 miles of road, owns 44 horses, 14 cars, 3 sleighs, 1 plough, 1 water-car and 1 leveller. *Directors*, Henry G. Reed, A. J. Barker, Wm. C. Lovering, Wm. H. Phillips, Henry M. Lovering, P. J. Perrin, H. W. Church, Chas. Foster, N. H. Skinner, S. N. Staples, Taunton, Mass.—Wm. C. Lovering, *Pres.*, Geo. C. Morse, *Supt.*, Henry M. Lovering, *Treas.*, Orville A. Barker, *Clerk*, Taunton, Mass.

Union Street Ry. Co. operates 18 miles of road, owns 300 horses and 61 cars. *Directors*, Wm. W. Crapo, Andrew G. Pierce, J. A. Beauvais, Chas. H. Gifford, Chas. E. Cook, Abbott P. Smith, Samuel C. Hart, New Bedford, Mass.; Weston Howland, Fairhaven, Mass.—Samuel C. Hart, *Pres. & Gen. Man.*, Andrew G. Pierce, *Treas.*, A. P. Smith, *Clerk.*—GENERAL OFFICE, New Bedford, Mass.

Waltham and Newton Street Ry. Co. operates 3.33 miles of road, owns 20 horses, 8 cars, 2 omnibuses, and 3 sleighs. *Directors*, R. E. Robbins, Boston, Mass.; G. E. Allen, West Newton, Mass.; G. L. Almy, F. Buttrick, C. M. Bodge, H. P. Sherman, Geo. H. Shirley, L. C. Lane, Henry Bond, Waltham, Mass.—R. E. Robbins, *Pres.*, Boston, Mass.; Henry Bond, *Supt., Treas. & Clerk*, Waltham, Mass.

Winnisimmet Street Ry Co. owns 1.956 miles of road, which is leased to the Lynn and Boston Street Ry. Co. *Directors*, William R. Pearmain, Chelsea, Mass.; Thomas P. Proctor, Edward Russell, E. Francis Oliver, Boston, Mass.; Edward R. Cogswell, Cambridge, Mass.—William R. Pearmain, *Pres.*, Chelsea, Mass.; E. Francis Oliver, *Treas. & Clerk*, 13 Tremont Row, Boston, Mass.

***Worcester Street Ry. Co.** owns 7 miles of road, 142 horses, 28 cars, and 5 sleighs. *Directors*, G. F. Mellen, Fall River, Mass.; Geo. H. Seeley, Nathan Seeley, New York, N. Y.; Geo. McAleer, H. S. Seeley, Worcester, Mass.—Geo. H. Seeley, *Pres.*, Nathan Seeley, *Vice-Pres.*, H. S. Seeley, *Treas. & Clerk*, J. N. Akarman, *Gen. Supt.*, J. Sholes, *Mast. Car Rep.*—GENERAL OFFICE, Market St., Worcester, Mass.

STATE OF MICHIGAN.

Arcadia and Betsey River Train RR. Co. owns 6 miles of road.

Battle Creek Ry. Co. operates 2.25 miles of road, owns 18 horses and 5 cars.—A. J. White, *Pres.*, H. H. Brown, *Vice-Pres. & Treas.*, Chas. E. Thomas, *Sec.*, John A. White, *Supt.*—GENERAL OFFICE, Battle Creek, Mich.

Bay City RR. Co. operates 7.5 miles of road, part single and part double track: owns 65 horses and 11 cars.—James Clements, *Pres.*, E. A. Cooley, *Sec.*, Wm. L. Clements, *Treas. & Pur. Agt.*—GENERAL OFFICE, Bay City, Mich.

***Detroit City Ry. Co.** operates 34 miles of road, owns 1,055 horses, 59 two-horse and 38 one-horse cars.—S. D. Miller, *Pres.*, George Hendrie, *Sec. & Treas.*, Jno. Willis, *Mast. Car Rep.*—GENERAL OFFICE, 12 West Larned St., Detroit, Mich.

Detroit Transit Co. owns 1.57 miles of road.

***East Saginaw Street RR. Co.** operates 3.75 miles of road, owns 35 horses and 14 cars. *Directors*, Wm. L. Webber, Emil Moores, W. J. Barton, J. B. Peter, W. H. Hart, E. Saginaw, Mich.—W. J. Barton, *Pres.*, W. H. Hart, *Sec. & Treas.*, W. J. Barton, *Supt. & P. A.*—GENERAL OFFICE, East Saginaw, Mich.

***Fort Wayne and Elmwood RR. Co.** operates 11.75 miles of road, owns 250 horses and 41 cars. *Directors*, E. S. Heineman, S Schloss, H. B. Brown, James H. Vhay, Edward Kanter, S. B. Grummond, D. M. Ferry, Detroit. Mich.—H. B. Brown, *Pres.*, Edw. Kanter, *Vice-Pres.*, N. W. Goodwin, *Sec.*, E. S. Heineman, *Treas.*, G. S. Hazard, *Supt.*—GENERAL OFFICE, 129 Griswold St., Detroit, Mich.

***Grand River Street Ry. Co.** operates 4 miles of road, owns 150 horses and 15 cars. *Directors*, Jas. Dailey, Chas. M. Dailey, David Bronson, Chas. W. Dailey, J. W. Dailey, Detroit, Mich.—Jos. Dailey, *Pres. & Treas.*, J. W. Dailey, *Sec. & Asst. Treas.*, Chas. M Dailey, *Supt.*—GENERAL OFFICE, Grand River Ave. and Sycamore St., Detroit, Mich.

***Grand Rapids Street RR. Co.** operates 12.13 miles of road, owns 163 horses, 2 dummy engines 58 cars and 11 other vehicles. *Directors*, C. A. Otis, W. J. Hayes, Samuel Mather, J. H. Outhwait, Cleveland, O.; L. H. Withey, C. G. Swensberg, W. S. Crosby, Grand Rapids, Mich.—C. A. Otis, *Pres.*, L. H. Withey, *Vice-Pres.*, I M. Weston, *Sec.*, C. G. Swensberg, *Treas.*, A. Bevier, *Supt. & P. A.*, D. Campbell, *Mast. Tr. Rep.*, S. B. Hurlburt, *Must. Car Rep.*—GENERAL OFFICE, Grand Rapids, Mich.

Jackson City Railway Co. operates 4 miles of road, owns 45 horses and 11 cars.—Hiram H. Smith, *Pres*, Samuel Hopewell, *Sec. & Treas*, Henry H. Smith, *Supt.*—GENERAL OFFICE, Jackson, Mich.

Kalamazoo Street Railway Co. operates 10 miles of road, owns 60 horses and 15 cars.—E. B. Dikeman, *Pres*, James Burnett, *Vice-Pres.*, John P. Creque, *Sec.*, P H. Brown, *Treas.*, J. W. Boynton, *Asst. Treas. & Gen. Man.*—GENERAL OFFICE, Kalamazoo, Mich.

***Muskegon Railway Co.** operates 4.5 miles of road, owns 20 horses, 9 mules, and 10 cars. *Directors*, Charles Merriam, Boston, Mass.; J. B. Mulliken, Detroit, Mich.; F. A. Nims, Charles L. Gunn, Muskegon, Mich.—F. A. Nims, *Pres.*, J. B. Mulliken, *Vice-Pres.*, M. B. Rogers, *Sec.*, C. L. Gunn, *Treas.*, Wm. McLaughlin, *Supt.*—GENERAL OFFICE, Muskegon, Mich.

Port Huron Street Ry. Co. operates 6.25 miles of road, owns 22 horses and 7 cars.—J. P. Sanborn, *Pres.*, J. R. Wastell, *Sec.*, *Treas. & Man.*—GENERAL OFFICE, Port Huron, Mich.

Saginaw Street RR. Co. operates 2.5 miles of road, owns 50 horses and 11 cars.—David H. Jerome, *Pres.*, Geo. L. Burrows, *Sec. & Treas.*, F. G. Benjamin, *Gen. Supt.*—GENERAL OFFICE, Saginaw, Mich.

St. Joseph and Benton Harbors Street Ry. Co. operates 1.75 miles of road, owns 14 horses, 4 mules and 3 cars.—M. C. Burnes, *Pres.*, W. Bullinger, *Treas. & Sec.*—GENERAL OFFICE, St. Joseph, Mich.

STATE OF MINNESOTA.

***Duluth Street Railway Co.** operates 6 miles of road, owns 6 horses, 101 mules and 18 cars. *Directors*, Samuel Hill, Thomas Lowry, Minneapolis, Minn.; Thomas P. Wilson, St. Paul, Minn.; A. S. Chase, A. L. Ordean, Duluth, Minn.—Samuel Hill, *Pres.*, T. P. Wilson, *Vice-Pres.*, A. S. Chase, *Sec. & Treas.*, T. W. Hoopes, *Supt. & P. A.*—GENERAL OFFICE, Duluth, Minn.

***Minneapolis Street RR. Co.** operates 51 miles of road, owns 426 horses, 102 mules, and 144 cars. *Directors*, Thomas Lowry, Clinton Morrison, C. G. Goodrich, W. W. Herrick, E. W. Herrick, Minneapolis, Minn.—Thomas Lowry, *Pres.*, C. Morrison, *Vice-Pres.*, C. G. Goodrich, *Sec.*, *etc.*, W. W. Herrick, *Treas.*, D. W. Sharp, *Supt.*, C. F. Musgrave, *P. A.*—GENERAL OFFICE, Minneapolis, Minn.

***St. Paul City Ry. Co.** operates 50 miles of road, owns 416 horses, 201 mules and 128 cars.—*Directors*, Thos. Lowry, Geo. B. Harris, D. C. Shepard, Thos. P. Wilson, Minneapolis, Minn.—Thomas Lowry, *Pres.*, Thos. P. Wilson, *Vice-Pres.*, A. Z. Levering, *Sec.*, W. R. Merriam, *Treas.*, A. L. Scott, *Supt.*, G. C. Eddings, *Pur. Agt.*, Frank Johnson, *Mast. Tr. Rep.*, Jos. Tompkins, *Mast. Car Rep.*—GENERAL OFFICE, St. Paul, Minn.

Union Depot Street Ry. and Transfer Co. operates 5 miles of road.—Geo. M. Brush, *Receiver*.—GENERAL OFFICE, Stillwater, Minn.

Winona City RR. Co. operates 3.82 miles of road, owns 37 horses and 10 cars. *Directors*, Jno. A. Mathews, Charles Horton, B. H. Langley, F. A. Johnston, C. H. Lamberton, E. S. Youmans, C. H. Porter, Winona, Minn.—B. H. Langley *Pres.*, F. A. Johnston, *Vice-Pres.*, C. H. Porter, *Sec. & Treas.*, L. Marion, *Supt.*—GENERAL OFFICE, Winona, Minn.

STATE OF MISSISSIPPI.

Meridian Street Railway Co. operates 2.25 miles of road, owns 6 mules and 3 cars. *Directors*, J. J. Shannon, J. L. Handley, J. S. Solomon, Geo. S. Covert, B. F. Cameron, A. A. Dillehay, R. M. Houston, J. M. Ramsey, W. S. Harris, L. Rothenburg, Meridian, Miss.—J. J. Shannon, *Pres.*, J. L. Handley, *Vice-Pres. & Supt.*, R. M. Houston, *Sec.*, L. Rothenburg, *Treas.*—GENERAL OFFICE, Meridian, Miss.

STATE OF MISSOURI.

Baden and St. Louis RR. Co. operates 3.13 miles of road, owns 22 horses, 9 cars and 2 other vehicles.—Geo. S. Case, *Pres.*, *Sec.*, *Treas.*, *etc.*, H. Nelson, *Supt.*—GENERAL OFFICE, Baden, St. Louis, Mo.

***Bellefontaine RR. Co.** operates 8 miles of road, owns 223 horses and 56 cars. *Directors*, J. G. Chapman, Chas. Parsons, Geo. E. Leighton, Edward Whitaker, Robert McCulloch, St. Louis, Mo.—Charles Parsons, *Pres.*, Robert McCulloch, *Vice-Pres.*, *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, St. Louis, Mo.

Carthage City Railway Co. operates 2.5 miles of road, owns 12 mules and 3 cars.—E. R. Powell, *Pres.*, J. A. Mitchell, *Treas.*, J. W. Ground, *Sec. & Supt.*—GENERAL OFFICE, Carthage, Mo.

***Cass Avenue and Fair Ground RR. Co.** operates 8.5 miles of road, owns 270 horses, 30 mules and 36 cars. *Directors*, J. S Walsh, Edward Walsh, G. A. Madill, Wm. M. Curtis, James Campber, G. A. Finkelburgh, St. Louis, Mo.—J. S. Walsh, *Pres.*, James Campber, *Vice-Pres. & Treas.*, Edward Walsh, *Sec.*, Michael Moran, *Supt.*—GENERAL OFFICE, 2,900 Cass Ave, St. Louis, Mo.

***Citizens' Ry. Co.** operates 21 miles of road, owns 225 horses, 200 mules and 68 cars.—J. S. Walsh, *Pres.*, Geo. Kahnfold, *Sec. & Treas.*, Thos. Gartland, *Supt.*, J. Vock, *Mast. Car Rep.*—GENERAL OFFICE, 3,820 Easton Ave., St. Louis, Mo.

Citizens' Ry Co. operates 5.5 miles of road, owns 56 horses, 24 mules, and 16 cars.—B. F. Hobart, *Pres.*, A. M. Longwell, *Sec. & Treas.*, F. B. Smith, *Supt.*—GENERAL OFFICE, Springfield, Mo.

***Citizens' Street RR. Co.** operates 2.75 miles of road, owns 52 mules and 14 cars.—C. C. Burnes, *Pres.*, J. A. Corby, *Sec.*, S. A. Walker, *Treas.*—GENERAL OFFICE, 511 Francis St., St. Joseph, Mo.

Frederick Avenue RR. Co. operates 3 miles of road, owns 70 horses and 10 cars.—D. D. Burnes, *Pres.*, J. A. Corby, *Sec.*, S. A. Walker, *Treas.*, S. R. Owen, *Supt.*, J. A. Corby, *Gen. Man.*—GENERAL OFFICE, 511 Francis St., St. Joseph, Mo.

Grand Avenue Ry. Co. operates 6.75 miles of road, owns 75 horses, 26 cars and 4 other vehicles. *Directors*, C. F. Morse, J. S. Ford, Walton H. Holmes, C. F. Holmes, Jas. T. Thornton, J. L. Loose, Daniel B. Holmes, Victor B. Buck, O. P. Dickinson, Kansas City, Mo.; C. E. Cotting, Boston, Mass.; P. A. Chase, Linn, Mass.—W. H. Holmes, *Pres.*, B. V. Buck, *Vice-Pres*, D. B. Holmes, *Sec. & Atty.*, O. P. Dickinson, *Treas.*, C. F. Holmes, *Supt.*, Knight and Bontecou, *Engs.*, Thos. J. Fry, *Aud.*, Thos. Barrett, *Mast. Car Rep.*—GENERAL OFFICE, Kansas City, Mo.

Hannibal Street Ry. Co. operates 2 miles of road, owns 20 horses and 6 cars *Directors*, M. Doyle, Jas. O'Hern, John G. O'Hern, Hannibal, Mo.—M. Doyle, *Pres., Supt., etc.*, Jas. O'Hern, *Sec., Treas., etc.*—GENERAL OFFICE, Hannibal, Mo.

Jefferson Avenue Ry. Co.—J. M. Gilkerson, *Pres.*, Chas. K. Dickson, *Sec.*, J. Scullin, *Gen. Man.*—GENERAL OFFICE, St. Louis, Mo.

Joplin Street Railway Co. operates 3 miles of road, owns 28 mules and 4 cars.—J. B. Sergeant, *Pres.*, Clark Craycraft, *Sec., Treas. & Supt.*—GENERAL OFFICE, Joplin, Mo.

***Kansas City Cable Ry. Co.** operates 3 miles of double-track road and owns 20 cars. *Directors*, Wm. J. Smith, N. J. Hall, W. H. Lucas, J. I. Thornton, Robert Gillham, Kansas City, Mo.; P. A. Chase, Lynn, Mass.—Wm. J. Smith, *Pres. & Treas.*, P. A. Chase, *Vice-Pres.*, W. H. Lucas, *Treas.*, Edw. J. Lawless, *Supt., etc.*—GENERAL OFFICE, Ninth and Washington Sts., Kansas City, Mo.

Kansas City and Westport Street RR. Co. operates 6.75 miles of road, owns 75 horses, 26 cars and 4 other vehicles. *Directors*, C. F. Morse, J. S. Ford, Walton H. Holmes, C. F. Holmes, Jas. F. Thornton, Wm. H. Lucas, Daniel B. Holmes, Victor B. Buck, Robt. Gillham, Kansas City, Mo.—C. F. Morse, *Pres.*, Walton H. Holmes, *Vice-Pres.*, Daniel B. Holmes, *Sec. & Atty.*, Jas. F. Thornton, *Treas.*, C. F. Holmes, *Supt.*, Knight and Bontecou, *Engs.*, Thos. J. Fry, *Aud.*, Thos. Barrett, *Mast. Car Rep.*—GENERAL OFFICE, Twenty-third St. and Grand Ave., Kansas City, Mo.

Kansas City and Rosedale Ry. Co. (owned and operated by the Metropolitan Street Ry. Co.) operates 3 miles of road, owns 70 mules and 10 cars.—C. F. Morse, *Pres.*, R. J. McCarty, *Sec.*, E. J. Lawless, *Gen. Supt.*—GENERAL OFFICE, Kansas City, Mo.

Lexington Street RR. Co. operates 1.5 miles of road, owns 8 mules and 4 cars.—W. H. Ewing, John C. Young and A. R Lord, *Proprietors*.—GENERAL OFFICE, Lexington, Mo.

***Lindell Street Ry. Co.** operates 10 miles of road, owns 450 horses and 85 cars.—John H. Maxon, *Pres.*, Geo. W. Baumhoff, *Sec. & Treas.*, I. C. Llewellyn, *Gen. Supt.*—GENERAL OFFICE, St. Louis, Mo.

***Metropolitan Street Ry. Co.** (formerly the Corrigan Consolidated Ry. Co.) operates 11.714 miles of road, double track, owns 500 horses, 94 cars and 12 other vehicles.—C. F. Morse, *Pres.*, R. J. McCarty, *Sec.*, Armours Bank, *Treas.*, E. J. Lawless, *Gen. Supt.*—GENERAL OFFICE, Security Building, Kansas City, Mo.

***Missouri RR. Co.** operates 1.5 miles of road, owns 420 mules and 70 cars.—P. C. Maffet, *Pres.*, W. D. Henry, *Sec.*, C. M. Allen, *Supt.*—GENERAL OFFICE, 1,827 Market St., St. Louis, Mo.

Mound City RR. Co. operates 8 miles of road, owns 154 horses and 28 cars.—John Scullen, *Pres.*, C. M. Seaman, *Sec. & Treas.*—GENERAL OFFICE, St. Louis, Mo.

Northern Central Ry. Co. operates 10.5 miles of road, owns 216 horses, 5 mules and 60 cars.—Julius S. Walsh, *Pres.*, Chas. K. Dickson, *Treas., Sec. & Pur. Agt.*, John Mahoney, *Supt.*—GENERAL OFFICE, 2,401 Spring St, St. Louis, Mo.

***People's City RR. Co.** operates 8 miles of road, owns 280 horses and 58 cars.—Chas. Green, *Pres.*, John Mahoney, *Sec. & Treas.*, P. Shea, *Supt.*—GENERAL OFFICE, 1,810 Park Ave., St. Louis, Mo.

People's City Railway Co. See Citizens' Ry. Co. of Springfield, Mo.

***St. Louis RR. Co.**—C. Peper, *Pres.*, R. B. Jennings, *Sec. & Treas.*—GENERAL OFFICE, St. Louis, Mo.

St. Louis Cable and Western Ry. Co. operates 16 miles of road, owns 40 cable-cars, 200 horse-power, limit power of engines, 600 horses.—C. Peper, *Pres.*, R. B Jennings, *Sec. & Treas.*—GENERAL OFFICE, St. Louis, Mo.

Sedalia Street RR. Co. operates 3 miles of road, owns 35 horses and 6 cars.—Jasper D. Sicher, *Pres.*, Chas. Conrad, *Sec. & P. A., etc.*, Fred. H. Gurentner, *Treas.*—GENERAL OFFICE, Third and Ohio Sts, Sedalia, Mo.

***Southern Ry. Co.** operates 15.5 miles of road, owns 165 horses, 118 mules and 47 cars.—E. R. Coleman, *Pres.*, J. S. Minary, *Sec. & Treas.*, W. L Johnson, *P. A.*, J. L. Cross, *Supt.*—GENERAL OFFICE, Osage St., cor. Broadway, St. Louis, Mo.

Springfield Railway Co. See Citizens' Ry. Co. of Springfield, Mo.

Tower Grove and Lafayette RR. Co. operates 6 miles of road, owns 59 horses, 32 mules and 20 cars.—Chas. Green, *Pres.*, John Mahoney, *Sec. & Treas.*, Patrick Shea, *Supt.*—GENERAL OFFICE, 1,810 Park Ave., St. Louis, Mo.

***Union Depot RR. Co.** operates 16 miles of road, owns 375 horses and 72 cars.—John Scullin, *Pres.*, C. M. Seaman, *Vice-Pres.*, Jas. H. Roach, *Supt.*—GENERAL OFFICE, St. Louis, Mo.

Union RR. Co. operates 8 miles of road, owns 234 mules, 80 horses and 75 cars.—J. S. Walsh, *Pres.*, M. Moran, *Supt.*, J. P. Helfenstein, *Vice-Pres.*, C. N. Duffy, *Sec. & Treas.*, H. Jergens, *Mast. Car Rep.*—GENERAL OFFICE, 3,631 Kossuth Ave., St. Louis, Mo.

Union RR. Co. operates 5 miles of road, owns 110 horses and 29 cars, 15 of which are not in use, and 4 other vehicles.—Seymour Jenkins, *Pres.*, A. Steinacker, *Sec. & Treas.*, Chas. S. Wilson, *Gen. Supt.*—GENERAL OFFICE, St. Joseph, Mo.

STATE OF MONTANA.

Helena Street Ry. Co. operates 2 miles of road, owns 10 horses and 3 cars.—Chas. W. Cannon, *Pres.*, L. A. Walker, *Sec. & Treas.*—GENERAL OFFICE, Helena, Mont.

STATE OF NEBRASKA.

Beatrice Street Railway Co. operates 4 miles of road, owns 8 horses, 16 mules and 5 cars. *Directors*, A. S. Eaddock, Thos. Yule, J. D. Kilpatrick, Robt. Kilpatrick, A. L. Green, J. S. Grable, J. N McConnell, S. C Smith, J. E Smith, Beatrice, Neb.—J. D. Kilpatrick, *Pres.*, J. E. Smith, *Vice-Pres. & Pur. Agt.*, A. L. Green, *Sec.*, John Ellis, *Treas.*, Fred. Sorenson, *Supt.*—GENERAL OFFICE, Beatrice, Neb.

***Lincoln Street Ry. Co.** operates 12 miles of road, owns 160 horses and mules and 27 cars.—J. W. Deweese, *Pres.*, C. J. Ernst, *Sec. & Treas.*, W. R. Carter, *Supt.*—GENERAL OFFICE, Lincoln, Neb.

***Omaha Horse Ry. Co.** operates 14.5 miles of road, owns 275 horses, 25 mules and 41 cars. *Directors*, Frank Murphy, Guy C. Barton, S. M. M. Clark, W. W. Marsh, W. A. Smith, Omaha, Neb.—Frank Murphy, *Pres.*, Guy C. Barton, *Vice-Pres.*, J. E. Wilbur, *Sec.*, W. W. Marsh, *Treas.*, W. A. Smith, *Supt., etc.*—GENERAL OFFICE, 1,504 Farnham St., Omaha, Neb.

Wymore and Blue Springs Ry. Co. operates 3.5 miles of road, owns 10 horses, 4 cars and 1 other vehicle. *Directors*, John H. Reynolds, Ben. Reynolds, E. P. Reynolds, Jr., Samuel Wymore, Alex. Stewart, Wymore, Neb.—John H. Reynolds, *Pres.*, Ben. Reynolds, *Vice-Pres.*, E. P. Reynolds, Jr., *Sec., Treas. & P. A.*, Jacob Bauman, *Supt. & Mast. Tr. & Car Rep.*—GENERAL OFFICE, Wymore, Neb.

STATE OF NEW HAMPSHIRE.

***Concord Horse RR. Co.** operates 7 miles of road, owns 14 horses, 2 steam dummies and 10 cars. *Directors*, George Ferrald, Howard A. Dodge, George D. Cumming, Frank W. Holt, Concord, N. H.; Paul R. Holder, W. Concord, N. H.; J. C. Pearson, Penacook, N. H.—Moses Humphrey, *Pres.*, *Supt. & P A.*, E. C. Hoag, *Sec.*, H. J. Crippin, *Treas.*, B. F. Sherburn, *Mast. Tr. Rep.*—GENERAL OFFICE, Concord, N. H.

Dover Horse RR. Co. operates 2.5 miles of road, owns 14 horses and 4 cars.—C. H. Sawyer, *Pres.*, T. J. Smith, *Sec.*, Harrison Haley, *Treas.*—GENERAL OFFICE, Dover, N. H.

Laconia and Lake Village Horse RR. Co. operates 2.14 miles of road, owns 20 horses, 5 cars and 9 other vehicles. *Directors*, Albert G. Folsom, Charles A. Busiel, Sylvester S. Wiggin, J. P. Hutchinson, Samuel B. Smith, Daniel A. Tilton, Laconia, N. H.; Samuel C. Clark, Lake Village, N. H.—Albert G. Folsom, *Pres.*, J. P. Hutchinson, *Sec.*, Edmund Little, *Treas.*, B. S. Keniston, *Man.*—GENERAL OFFICE, Laconia, N. H.

Manchester Horse RR. Co. operates 3.75 miles of road, owns 41 horses and 12 cars. *Directors*, Samuel N. Bell, Fred. Smyth, Jas. A. Weston, Josiah Carpenter, Manchester, N. H.—Samuel N. Bell, *Pres.*, J. A. Weston, *Sec.*, F. Smyth, *Treas.*, A. Q. Gage, *Supt.*—GENERAL OFFICE, Depot St., Manchester, N. H.

Nashua Street Ry. Co. operates 2 miles of road, owns 22 horses and 5 cars.—J. A. Spalding, *Pres.*, R. D. Barnes, *Sec.*, Ira F. Harris, *Treas.*, Q. A. Woodward, *Pur. Agt. & Supt.*—GENERAL OFFICE, 1,513 Elm St., Nashua, N. H.

STATE OF NEW JERSEY.

Atlantic City Ry. Co.—Ezra Bartlett, *Sec.*, W. G. Bartlett, *Treas.*—GENERAL OFFICE, Atlantic City, N. J.

Camden and Atlantic Street Ry. Co. operates 8.5 miles of road, owns 100 mules and 18 cars.—Wm. L. Elkins, *Pres.*, Wm. J. Sewell, *Vice-Pres.*, D. M. Zimmerman, *Sec.*, W. Taylor, *Treas.*, Wm. N. Bannard, *Supt.*—GENERAL OFFICE, Camden, N. J.

***Camden Horse RR. Co.** operates 8 miles of road, owns 85 horses and 26 cars. *Directors*, Thomas A. Wilson, John Hood, Calvin S Cromwell, Wilbur F. Rose, Camden, N. J.; Henry McKeen, Jr., Easton, Pa. —Thomas A. Wilson, *Pres.*, Wilbur F. Rose, *Sec.*, John Hood, *Treas. & Supt.*—GENERAL OFFICE, 1,125 Newton Ave., Camden, N. J.

***City Railway Co.** operates 4 miles of road, owns 70 horses, 3 mules and 11 cars. *Directors*, Adam Exton, Wm. H. Skirm, H. B. Howell, Chas. Y. Barnford, John Exton, Wm. H. Brokaw, Wm. C. Brandt, Fred. Walter, F. S. Katzenbach, Jos. B. Yard, Geo. Fitzgeorge, R. P. Wilson, John Schweizer, Trenton, N. J. —Adam Exton, *Pres.*, Wm. H. Skirm, *Vice-Pres. & P. A.*, H. B. Howell, *Sec.*, Chas. Y. Barnford, *Treas.*, L. H. Cresse, *Mast. Tr. & Car Rep.*—GENERAL OFFICE, cor. Front and Green Sts., Trenton, N. J.

***Cape May and Schellenger's Landing Horse RR. Co.** operates 2.15 miles of road, owns 50 horses and 6 cars.—Wm. Wharton, *Pres.*, Thos. H. Williamson, *Vice-Pres.*, Wm. Selfridge, *Sec.*, E. S. Taylor, *Supt.*—GENERAL OFFICE, Cape May, N. J.

Elizabeth and Newark Horse RR. Co. operates 14 miles of road, owns 70 horses and 24 cars.—Jacob Davis, *Pres. & Treas.*, John T. Prichard, *Sec. & Supt.*—GENERAL OFFICE, 221 Broad St., Elizabeth, N. J.

***Essex Pass Ry. Co.** operates 31 miles of road, owns 702 horses and 128 cars.—S S. Battin, *Pres.*, F. T. Kirk, *Sec. & Treas.*; H. F. Totten, *Supt.*—GENERAL OFFICE, 786 Broad St., Newark, N J.

***Jersey City and Bergen RR. Co.** operates 21 miles of road, owns 494 horses and 75 cars.—Chas. B. Thurston, *Pres.*, Wm. Keeney, *Vice-Pres.*, Warren E. Dennis, *Sec.*, C. B. Place, *Treas.*, Thomas M. Sayre, *Supt.*—GENERAL OFFICE, 1 Exchange Place, Jersey City, N. J.

Newark and Bloomfield RR. Co. operates 7.5 miles of road, owns 140 horses and 20 cars.—S. S. Battin, *Pres.*, W. L. Mulford, *Sec.*, H. F. Totten, *Supt.*—GENERAL OFFICE, 786 Broad St., Newark, N. J.

Newark and Irvington RR. Co. operates 3.5 miles of road, owns 132 horses and 20 cars.—S. S. Battin, *Pres.*, W. L. Mulford, *Sec.*, H. F. Totten, *Supt.* —GENERAL OFFICE, 786 Broad St., Newark, N. J.

Newark, South Orange, Ferry Street and Hamburg Place RR. Co. operates 7 miles of road, owns 225 horses and 37 cars.—John Radel, *Pres.*, Frederick Adam, *Vice-Pres.*, Andrew Radel, *Sec.*, Joseph Crequi, *Treas.*, Andrew Radel, *Supt. & P. A.*—GENERAL OFFICE, South Orange Ave. and South Nineteenth St., Newark, N. J.

***North Hudson County Ry. Co.** operates 12.75 miles of horse and 1¼ miles of elevated road, owns 620 horses and 116 cars, also 10 cable-cars.—John H. Bonn, *Pres.*, F. J. Mallory, *Sec.*, F. Michel, *Treas.*, Nicholas Goelz, *Supt.*—GENERAL OFFICE, Hoboken, N. J.

Orange and Newark RR. Co. operates 28.75 miles of road, owns 428 horses and 65 cars.—S. S. Battin, *Pres.*, Fred. T. Kirk, *Sec. & Treas.*, Henry F. Totten, *Treas.*—GENERAL OFFICE, 786 Broad St., Newark, N. J.

Paterson City RR. Co. operates 9 miles of road. *Directors*, Garret Planter, G. A. Hobart, John H. Robinson, Edward Van Houten, E. T. Bell, H. Romaine, Paterson, N. J.; Wm. O. McDowell, New York, N. Y.—Garret Planter, *Pres.*, G. A. Hobart, *Vice-Pres.*, A. A. Wilcox, *Sec.*, H. Romaine, *Treas. & P. A.*, M. Pettigrew, *Supt.*, *etc.*—GENERAL OFFICE, 27 Broadway, Paterson, N. J.

Paterson and Passaic RR. Co. operates 7 miles of road, owns 24 horses and 16 cars. *Directors*, John N. Terhune, John I. Brown, E. S. Brown, S. S. Sherwood, Spencer Van Dalsen, M. O. Rourke, Ambrose T. King, Paterson, N. J.—John N. Terhune, *Pres.*, E. S. Brown, *Sec.*, John I. Brown, *Treas.*, M. O. Rourke, *Supt.*, *etc.*, Ambrose T. King, *Pur. Agt.*, *etc.*—GENERAL OFFICE, 9 First National Bank Building, Paterson, N. J.

Pavonia Ferry Ry. Co. operates 3.5 miles of road, owns 100 horses, 4 mules and 20 cars.—J. H. Small, *Man.*—GENERAL OFFICE, Jersey City, N. J.

Phillipsburgh Horse Ry. Co. operates 2.25 miles of road, owns 18 horses and 4 cars.—Daniel Runkle, *Pres.*, James W. Long, *Sec. & Treas.*—GENERAL OFFICE, Phillipsburgh, N. J.

***Trenton Horse RR. Co.** operates 4 miles of road, owns 60 horses and 12 cars.—Lewis Perrine, *Pres.*, Lewis Perrine, Jr., *Sec. & Treas.*, Thomas S. Morris, *Supt.*—GENERAL OFFICE, Clinton St., Trenton, N. J.

STATE OF NEW YORK.

Albany Ry. Co. operates 13.925 miles of road, owns 232 horses and 54 cars. *Directors*, A. B. Banks, T. J. Cowell, Michael Delehanty, William H. Johnson, James H. Manning, John W. McNamara, Robert C. Pruyn, Joseph T. Rice, S. W. Rosendale, Philip Ten Eyck, A. Van Vechten, Isaac Waldman, Albany, N. Y.; William P. Prentice, New York, N. Y.—John W. McNamara, *Pres.*, *Treas. & Supt.*, Robert C. Pruyn, *Vice-Pres.*, James H. Manning, *Sec.*, Wm. W. Dennin, *Cashier*, E. S. Fassett, *Asst. Supt.*, J. N. Murphy, *Accountant*, Wm. Walsh, *Mast. Tr. Rep.*, John Kennedy, *Mast. Car Rep.*, Wm. Finigan, *Supt. of Stables.*—GENERAL OFFICE, 3 North Pearl St., Albany, N. Y.

Amsterdam Street RR. Co. owns 1.625 miles of road, 10 horses, 3 cars and 2 other vehicles, leased to and operated by James B. Snell. *Directors*, Henry Herrick, David Cady, L. L. Gardiner, David W. Shaler, Martin L. Stover, James H. Bronson, Stephen Sandford, Oscar F. Nelson, Willis Wendell, Gardiner Blood, D. Fritcher, James Voorhees, Amsterdam, N. Y.—Henry Herrick, *Pres.*, *P. A.*, *etc.*, M. L. Stover, *Sec.*, David Cady, *Treas.*, James R. Snell, *Supt*, *Lessee.* —GENERAL OFFICE, Amsterdam, N. Y.

Astoria and Hunter's Point RR.—*Now part of Steinway and Hunter's Point RR.*

***Atlantic Avenue RR. Co.** operates 7 lines of road, having an aggregate mileage of 33.08 miles, the main line of which is on Atlantic Avenue. Of the mileage owned, 9.75 miles, from Flatbush Avenue, Brooklyn, to Jamaica, L. I., is leased to the Long Island RR. Co. It also owns 938 horses, 251 cars and 39 other vehicles. *Directors*, William Richardson, Frederick A. Schroeder, Newbery H. Frost, Wm. A. Read, James S. Suydam, Benjamin F. Tracy, Samuel W. Bowne, James H. Kirby, Henry Meyer, William F. Redmond, Augustus Storrs, John G. Jenkins, W. J. Richardson, Brooklyn, N. Y.—Wm. Richardson, *Pres.*, Wm. J. Richardson, *Sec.*, N. H. Frost, *Treas.*—GENERAL OFFICE, Atlantic and Third Aves., Brooklyn, N. Y.

Auburn City RR.—Successor to the East Genessee St. and Seward Ave. and the Auburn and Owasco Lake RR. Cos. No information furnished.

Auburn and Owasco Lake RR. Co. See Auburn City Ry.

Babylon RR. Co. operates 1.53 miles of road, owns 3 horses, 2 passenger and 1 freight car. *Directors*, David S. S. Sammis, John R. Reid, Joseph M. Sammis, Washington F. Norton, Edward M. Sammis, Babylon, L. I.; Edward Dodd, Brooklyn, N. Y.—W. F. Norton, *Pres.*, Joseph M. Sammis, Sec., J. R. Reid, *Treas.*, David S. S. Sammis, *Supt.*—GENERAL OFFICE, Babylon, N. Y.

Binghamton and Port Dickinson RR. Co. owns 5.75 miles of road, leased for ten years, from January 1, 1883, to N. L. Osborne. *Directors*, Harvey Westcott, A. C. Matthews, Geo. M. Harris, C. Bean, C. Ogden, H. A. Sheldon, Geo. Gee, Binghamton, N. Y.—Harvey Westcott, *Pres.*, G. M. Harris, *Sec. & Treas.*,

N. L Osborne, *Supt.*—GENERAL OFFICE, 112 State St., Binghamton, N. Y.

Binghamton Central RR. Co. (not in operation) owns 3.783 miles of road, 8 horses, 3 passenger and 3 freight cars. *Directors*, Alonzo Evarts, Chas. M. Stone, S. M. Ely, James B. Weed, Luke Doolittle, Chas. J. Bartlett Watson A. Heath, Geo. A Kent, Michael J. McKaige, Geo. L. Crandall, Chas. O. Root, Nelson Stow, H. J. Kneeland, Binghamton, N. Y.—G. L. Crandall, *Pres.*, Nelson Stow, *Supt.*, C. O. Root, *Sec.*, H. J. Kneeland, *Treas.*—GENERAL OFFICE, 65 Court St., Binghamton, N. Y.

Bleecker Street and Fulton Ferry RR. Co. owns 4.5 miles of road, leased for 99 years from January 10, 1876, to the Twenty-third Street Ry. Co. *Directors*, Jacob Sharp, Lewis May, Isaac Hendrix, John Downey, Thomas B. Kerr, Henderson Moore, Joseph Jacobs, John H. Selmes, John M. Harlow, M. M. White, Alex. E. Kursheedt, Wm. Menzie, New York, N. Y.—Jacob Sharp, *Pres.*, T. H. McLean, *Treas. & Sec.*—GENERAL OFFICE, 621 West Twenty-third St., New York, N. Y.

Broadway and Bowery Bay RR. Co. owns 2.70 miles of road, which is leased for 50 years, from July 2, 1883, to the Steinway and Hunter's Point RR. Co. *Directors*, Philip Burkard, Long Island City, N. Y.; J. H. Hempstead, Yonkers, N. Y.; Oscar R. Steins, Henry D. Low, Theodore Koven, Felix Kraemer, Nahum Stetson, New York, N. Y.—Philip Burkard, *Pres.*, J. H. Hempstead, *Sec. & Treas.*—GENERAL OFFICE, Steinway Hall, N. Y.

***Broadway RR. Co.** (Brooklyn) owns and operates 11.025 miles of road, owns 744 horses, 1 dummy engine, 199 cars and 21 other vehicles. *Directors*, Edwin Beers, S. L. Husted, William H. Husted, Samuel M. Meeker, Frederick Cromwell, Eckford Webb, Wm. M. Ingraham, William F. Garrison, John G. Jenkins, Peter Wyckoff, George L. Fox, Wm. H. Male, Brooklyn, N. Y.; John C. Furman, New York, N. Y.—Edwin Beers, *Pres.*, Robert Sealy, *Sec. & Treas.*, Joshua Crandall, *Supt.*, Robert Walsh, *Mast. Tr. Rep.* John Field, *Mast. Car Rep.*—GENERAL OFFICE, 21 Broadway, Brooklyn, N. Y.

***Broadway and Seventh Avenue RR. Co.** owns 8.32 miles and leases the Broadway Surface RR., 2.51 miles—total miles operated, 10.83; owns 2,242 horses and 227 cars. *Directors*, John H. Murphy, John J. Bradley, Chas. Banks, Wm. B. Dinsmore, Bernard M. Ewing, Chas. F. Frothingham, Sol. Mehrback, Thos. J. O'Donohue, W. H. Rockwell, Thos. F. Ryan, Henry Thompson, New York, N. Y.; Wm. L Elkins, Peter A. B Widener, Philadelphia, Pa.—Henry Thompson, *Pres.*, Thomas F. Ryan, *Sec. & Treas.*, Henry A. Newell, *Supt.*—GENERAL OFFICE, 761 Seventh Ave., New York, N. Y.

Brooklyn, Bushwick and Queens County RR. Co. operates 11 miles of road, owns 211 horses, 49 cars and 5 other vehicles. *Directors*, David W. Binns, Brooklyn, N. Y.; C. B. Cottrell, E. H. Cottrell, Rhode Island, Ct.; Walter Jones, West Troy, N. Y.; Geo. W. Van Allen, Wm. H. Van Allen, Wm. B. Wait, New York, N. Y.—Geo. W. Van Allen, *Pres.*, Wm. B. Wait, *Sec.*, C. B. Cottrell, *Treas.*, Chas. E. Harris, *Supt.*—GENERAL OFFICE, Bushwick, L. I., N. Y.

***Brooklyn City RR. Co.** operates 44 miles (double track) of road, owns 3,176 horses, 836 cars and 18 dummy engines. *Directors*, Seymour L. Husted, James How, Alexander Studwell, Wm. H. Husted, Crowell Hadden, Frank Lyman, Wm. H. Hazzard, Daniel F. Lewis, Edwin Packard, Brooklyn, N. Y.; Geo. N. Curtis, John C. Barron, New York, N. Y.; Geo. W. Bergen, Freeport, L. I.—D. F. Lewis, *Pres.*, Wm. M. Thomas, *Vice-Pres.*, H. M. Thompson, *Sec.*, F. E. Wrigley, *Asst. Sec.*, Crowell Hadden, *Treas.*—GENERAL OFFICE, 10 Fulton St., Brooklyn, N. Y.

***Brooklyn City and Newtown RR. Co.** operates 12.65 miles of road, owns 400 horses and 128 cars. *Directors*, Louis Fitzgerald, H'y B. Hyde, Alfred Wagstaff, New York, N. Y.; John N. Partridge, John C. Jacobs, Brooklyn, N. Y.; E. L. Montgomery, Eugene T. Lynch, Flushing, L. I.—John Partridge, *Pres.*, Henry B. Hyde, *Vice-Pres.*, Duncan B. Cannon, *Treas. & Sec.*, John L. Heins, *Supt.*, *Pur Agt.*, *etc.*—GENERAL OFFICE, cor. DeKalb and Central Aves., Brooklyn, N. Y.

Brooklyn Crosstown RR. Co. operates 10.028 miles of road, owns 413 horses and 72 cars. *Directors*, Henry W. Slocum, Ezra B. Tuttle, Henry W. Slocum, Jr., Horace M. Warren, Wm. Marshall, John G. Jenkins, Martin Joost, Brooklyn, N. Y.—H. W. Slocum, *Pres.*, E. B. Tuttle, *Vice-Pres.*, Martin Joost, *Sec.*, J. R. Conner, *Treas.*, D. W. Sullivan, *Gen. Supt.*—GENERAL OFFICE, 585 Manhattan Ave., Brooklyn, N. Y.

***Buffalo Street RR. Co.** operates 8.81 miles of road, owns 510 horses and 96 cars *Directors*, Henry M. Watson, Pascal P. Pratt, Elbridge G. Spaulding, Gibson T. Williams, Samuel S. Spaulding, Buffalo, N. Y.—Henry M. Watson, *Pres.*, Wm. H. Watson, *Treas.*, Samuel S. Spaulding, *Sec.*, Marsden Davey, *Eng.*, Edward Edwards, *Supt.*—GENERAL OFFICE, 346 Main St., Buffalo, N. Y.

***Buffalo East Side Street RR. Co.** operates 32.362 miles of road, owns 301 horses and 59 cars. *Directors*, Samuel S. Spaulding, Joseph Churchyard, Elbridge G. Spaulding, Henry M. Watson, Porter Norton, Buffalo, N. Y.—Samuel S. Spaulding, *Pres.*. Wm. H. Watson, *Treas.*, Henry M. Watson, *Sec.*, Marsden Davey, *Eng.*, Edward Edwards, *Supt.*—GENERAL OFFICE, 346 Main St., Buffalo, N. Y.

***Bushwick RR. Co.** operates 11.75 miles (double track) of road, owns 650 horses, 187 cars and 9 steam motors. *Directors*, Wm. H. Husted, Edwin Beers, Frederic Cromwell, A. M. Bliss, Chas. S. Husted, John Cashow, William H. Male, Edwin W. Ivins, Brooklyn, N. Y.; S. L. Husted, Jr., New York, N. Y.—W. H. Husted, *Pres.*, S. D. Hallowell, *Sec. & Treas.*. W. N. Morrison, *Supt.*—GENERAL OFFICE, 22 Broadway, Brooklyn, E. D., N. Y.

Calvary Cemetery, Greenpoint and Brooklyn RR. Co. operates 2.5 miles of road, owns 22 horses and 8 cars. *Directors*, ~~Wm. H. Ray~~, Patrick Hayes, E. D. Norris, John R Thompson, Wm. H. Ellsworth, Brooklyn, N. Y.; Chas H. Reed, New York, N.Y.; James B. McKewan, Orange, N. J.—~~W. H. Ray~~ *Pres.*, J. B. McKewan, *Treas.*, J. E. Hudson, *Supt.*—GENERAL OFFICE, 247 Greenpoint Ave., Greenpoint, N. Y.

Central City Ry. Co. operates 2.73 miles of road, owns 42 horses, 12 cars and 4 other vehicles. *Directors*, Daniel Pratt, Jonathan C. Chase, Fred. S. Wicks, James Barnes, Syracuse, N. Y.; Henry T. Webb, Skaneateles, N. Y.—Daniel Pratt, *Pres.*, J. C. Chase, *Vice-Pres.*, James Barnes, *Treas. & Sec.*, George Crampton, *Supt*—GENERAL OFFICE, Syracuse, N. Y.

***Central Crosstown RR. Co.** operates 2.40 miles of road, owns 219 horses and 45 cars. *Directors*, Chas. B. Webster, Addison Cammack, John L. Macaulay, Geo S. Hart, Wm. R. Travers, Rowland N. Hazard, Homer A. Nelson, E. B. Hart, Emery M. Van Tassell, Milton J. Masson, New York, N. Y.—George S. Hart, *Pres.*, Addison Cammack, *Vice-Pres.*, M. J. Masson, *Sec. & Treas.*—GENERAL OFFICE, 365 Avenue A, New York, N. Y.

***Central Park, North and East River RR. Co.** operates 19.16 miles of road, owns 1,198 horses, 161 passenger and 1 sand car. *Directors*, G H. Scribner, C. D. Wyman, Yonkers, N. Y.; A. B. Cornell, A. J. Vanderpoel, David Dows, Heber R. Bishop, Charles Dana, George S. Hart, Thomas Hillhouse, Thomas C. Acton, New York, N. Y.; Henry W. Smith, Orange, N. J.; John T. Terry, Irvington, N. Y.; H. K. Sheldon, Brooklyn, N. Y.—G. H. Scribner, *Pres.*, I. L. Valentine, *Sec. & Treas.*, W. N. A. Harris, *Supt.*—GENERAL OFFICE, 799 Tenth Ave., New York, N. Y.

Christopher and Tenth Streets RR. Co. operates 5 miles of road, owns 299 horses and 47 cars. *Directors*, Jacob Sharp, James A. Richmond Louis De Bebian, John Downey, Arthur Leary, Isaac V. Brokaw, Geo. N. Curtis, New York, N. Y.; W. T Hatch, Charles Phelps, Martin Joost, Elias Lewis, Jr., George H. Prentiss, W. H. Hazzard, Brooklyn, N. Y.—Jacob Sharp, *Pres.*, W. T. Hatch, *Sec. & Treas.*, George W. Linch, *Supt.*—GENERAL OFFICE, 168 Christopher St., New York, N. Y.

City RR. Co. (Binghamton) operates 1 mile of road, owns 5 horses and 2 cars. *Directors*, Alonzo C. Matthews, Rosell H. Meagley, D. S. Richards, Joseph P. Noyes, Edward A. Matthews, Charles A. Whitney, Geo. A. Kent, Chas. Davis, Binghamton, N. Y.—R. H. Meagley, *Pres.*, Wm. Whitney, *Supt.*—GENERAL OFFICE, 216 Front St., Binghamton, N. Y.

City RR. Co. of Poughkeepsie operates 4 miles of road, owns 39 horses, 11 cars and 2 other vehicles. *Directors*, Geo B. Adriance, Hudson Taylor, A. B. Smith, J. I. Platt, J. P. H. Talman, R. Ken-

worthy, H. A. Nelson, Wm. Reynolds, E. White, Poughkeepsie, N. Y.—G. B. Adriance, *Pres.*, H. Taylor, *Vice-Pres. & Treas.*, A. B. Smith, *Sec.*, C. M. Davis, *Supt. & P. A.*—GENERAL OFFICE, 491 Main St., Poughkeepsie, N. Y.

Coney Island and Brooklyn RR. Co. operates 11.6 miles of road, owns 344 horses and 101 cars *Directors*, D. S. Arnott, David B. Baylis, L. Burling, M. Chauncey, S. H. Herriman, Wm. Johnston, Jas. Jourdan, Wm. Marshall, Geo. W. Chauncey, John S. Ellis, Edmund Titus, E. J. Denison, Brooklyn, N. Y.—James Jourdan, *Pres.*, Geo. W. Chauncey, *Treas.*, Ed. F Drayton, *Sec.*, Wm. Farrell, *Supt.*—GENERAL OFFICE, cor. Smith and Huntington Sts., Brooklyn, N. Y.

Coney Island, Sheepshead Bay and Ocean Avenue Ry. Co.—1.39 miles of road, owned by Andrew McClennan, who purchased it at foreclosure sale in 1883. Operations suspended.—Andrew McClennan, *Pres.*, Daniel Moine, *Vice-Pres.*, H. Van Valkenburg, *Sec.*, James Calary, *Treas.*—GENERAL OFFICE, 16 Red Hook Lane, Brooklyn, N. Y.

Cortland and Homer RR. Co.—projected to run from U., I. & E depot, Cortland to Homer, 4 miles, with branch of 13.100 miles, of which 3.99 miles are completed and in operation, owns 16 horses, 6 cars and 3 other vehicles. *Directors*, Chas H. Garrison, Troy, N. Y.; R. H. Duell, C. P. Walrad, S. E. Welch, R. T. Peck, E. A. Fish, J. D. Schemerhorn, L. H. McGraw, Ebin Mudge, L. D. Garrison, Cortland, N. Y.; Wm. N. Brockway, Franklin Pierce, Homer, N. Y.—Chas. H. Garrison, *Pres.*, Ebin Mudge, *Vice-Pres.*, S. E. Welch, *Sec. & Treas.*, B. B Terry, *Supt.*—GENERAL OFFICE, 23 North Main St., Cortland, N. Y.

***Dry Dock, East Broadway and Battery RR. Co.** operates 18.67 miles and leases 4.07 miles of road, owns 1,096 horses and 185 cars. *Directors*, Wm. White, Richard Kelly, Chas. Curtiss, John M. Scribner, John Lowry, John Brynes, John T. Hoffmire, Jameson D. Kitching, New York, N.Y.; Wm. Richardson, Peter J. Thorne, Brooklyn, N. Y.; Henry A. Morgan, N. L. Zabriskie, Aurora, N. Y.; Chas A. Hotchkiss, Bridgeport, Conn.—Wm. White, *Pres.*, Richard Kelly, *Sec. & Treas.*, E. T. Landon, *Aud.*, Fred. F. White, *Supt. & P. A.*, C. E. Garey, *Mast. Car Rep.*—GENERAL OFFICE, 605 Grand St., New York, N. Y.

Dutch Kills and Hunter's Point RR. Co. operates 3 miles of road.—P. J. Gleason, *Pres.*, Long Island City, N. Y.

Dunkirk and Fredonia RR. Co. operates 3.50 miles of road, owns 9 horses, 5 cars and 4 other vehicles. *Directors*, W. McKinstry, Geo. Barker, Milton M. Fenner, H. C. Lake, Fredonia, N. Y.; Frank May, Dunkirk, N Y.—W. McKinstry, *Pres.*, Milton M. Fenner, *Sec. & Treas.*, Z. E. Wheelock, *Supt.*—GENERAL OFFICE, Fredonia, N. Y.

East Genesee and Seward Avenue RR. Co. See Auburn City Ry.

***Eighth Avenue RR. Co.** operates 20 miles of road, owns 1,131 horses and 135 cars. *Directors*, George Law, Jr., Wm. H. Hays, Jacob Hays, Joseph H. Godwin, Heman B. Wilson, Edward St. J. Hays, Joseph J. O'Donohue, James T. Closson, New York, N. Y.; Stephen H. Herriman, Wm. Ravesteyn, Brooklyn, N. Y.; Jas. Affleck, Jas. G. Affleck, Yonkers, N. Y.; G. G. Wright, Cambridge, N.Y.—Wm. H. Hays, *Pres.*, Jas. Affleck, *Sec. & Treas.*, H. B. Wilson, *Supt.*—GENERAL OFFICE, Eighth Ave., cor. Fiftieth St., New York, N. Y.

Elmira and Horseheads RR. Co. operates 9.64 miles of road, owns 35 horses and 18 cars. *Directors*, Alexander S. Diven, Geo. M. Diven, John M. Diven, Geo. W. Hoffman, Robert T. Turner, Henry C. Silsbee, Elmira, N. Y.—Geo. M. Diven, *Pres. & Treas.*, Geo. W. Hoffman, *Vice-Pres.*, B. F. Jennings, *Supt.*—GENERAL OFFICE, 212 East Water St., Elmira, N. Y.

Fifth Ward RR. Co. owns 2.66 miles of road, 42 horses and 10 cars. *Directors*, P. B. Brayton, O. C. Potter, Jno. D. Gray, M. C. Merriman, Frank Hiscock, Jno. Stolp, Syracuse, N. Y.—P. B. Brayton, *Pres.*, O. C. Potter, *Sec. & Treas.*, Hugh Pummell, *Supt.*—GENERAL OFFICE, Syracuse, N. Y.

Forty-second Street and Grand Street Ferry RR. Co. operates 5.13 miles of road, owns 484 horses, 56 cars and 15 other vehicles. *Directors*, Charles Curtiss, John Green, M. Feuchtwangle, Chas. B. Hogg, Jos. Rosenthal, R. J. Jacobs, Henry A. Hurlbut, Geo. A. Heinrick, A. H. Feuchtwangle, New York, N. Y.; George G. Mitchell, Jersey City, N. J.; Eben S. Allen, Larchmont, N. Y.; Robt. Pettigrew, Lyndonville, Vt.; F. H. Smith, Brooklyn, N. Y.—Charles Curtiss, *Pres.*, John M. Calhoun, *Supt.*, Eben S. Allen, *Sec. & Treas.*—GENERAL OFFICE, 653 West Forty-second St., New York, N. Y.

Forty-second Street, Manhattanville and St. Nicholas Avenue Ry. Co. operates 15 miles of road, owns 579 horses and 105 cars. *Directors*, Arthur Leary, Alfred Wagstaff, D. D. Conover, John S. Foster, John B. Dutcher, Alfred Scitt, Henry Steers, John Whalen, Jacob Fleischhauer, Chas. Phelps, James Matthews, Warren Conover, Chas. F. Naething, New York, N. Y.—Daniel D. Conover, *Pres.*, John S. Foster, *Vice-Pres.*, John P. Roberts, *Sec. & Treas.*, Jas. A. Bonnell, *Gen. Supt.*—GENERAL OFFICE, 118 East Forty-second St., New York, N. Y.

Frankfort and Ilion RR. Co. operates 2 63 miles of road, owns 6 horses and 5 cars. *Directors*, A. C. McGowan, W. W. Crosby, J. L. Hoard, P. A. Skiff, Frankfort, N. Y.; James Conkling, B. Haviland, Henry G. Whitney, Phil. Osgood, A. E. Brooks, Chas. E. Pettie, John A. Gibbin, John J. Hannahs, P. A. Skiff, Ilion, N. Y —A. C. McGowan, *Pres.*, John J. Hannahs, *Supt.*, John A. Gibbin, *Sec. & Treas.*—GENERAL OFFICE, Ilion, N. Y

Genesee and Water Street Ry. Co. operates 5 miles of road, owns 38 horses, 11 cars and 3 snow-ploughs. *Directors*, Geo. F. Comstock, Wm. T. Hamilton, Wm. E. Rose, W. H. H. Smith, W. E. Abbott, Nathan Cobb, Chester Hair, Daniel P. Wood, S. M. Rust, E. W. Leavenworth, Jacob Crouse, Syracuse, N. Y.—R. G. Wynkoop, *Pres.*, G. J. Gardner, *Sec. & Treas.*, Wm. J. Hart, *Supt.*—GENERAL OFFICE, Syracuse, N. Y.

Glens Falls, Sandy Hill and Ft. Edward RR. Co. operates 6.63 miles of road. *Directors*, J. D. Haines, D. S. Haines, C. D. Haines, A. G. Haines, A. H. Morris, Glens Falls, N. Y.; S. D. Lake, H McGonegal, Rochester, N. Y.—J. D. Haines, *Pres.*, D. S. Haines, *Vice-Pres.*, H. McGonegal, *Sec. & Treas.*, H. A. Stephens, *Supt. & Pur. Agt.*, C. W. Eastwood, *Mast. Tr. & Car Rep.*—GENERAL OFFICE, Glens Falls, N. Y.

Grand Street and Newtown RR. Co. operates 8.25 miles of road, owns 250 horses, 72 cars and 3 other vehicles. *Directors*, Martin Joost, Edmund Driggs, S. M. Meeker, Jas. Hall, A. M. Kalbfleich, Wm. E. Horwill, Eckford Webb, John G. Jenkins, Peter Wyckoff, A. G McDonald, Brooklyn, N. Y.; Wm. Brookfield, New York, N. Y.—Martin Joost, *Pres.*, Edmund Driggs, *Vice-Pres.*, Wm. E. Horwill, *Sec. & Treas.*, Walter G. Howey, *Supt.*, *Pur. Agt.*, *etc.*—GENERAL OFFICE, 394 Kent Ave., Brooklyn, N. Y.

Grand Street, Prospect Park and Flatbush Street Ry. Co. operates 5.75 miles of road, owns 210 horses and 75 cars Sold under foreclosure of second mortgage, April 27, 1887. *Directors*, Louis Fitzgerald, Henry Day, Alfred Wagstaff, New York, N. Y.; John N. Partridge, John C. Jacobs, Thos. Ennis, Daniel Northrup, Brooklyn, N. Y.—John N. Partridge, *Pres.*, D. B. Cannon, *Sec.*, Charles Creifelds, *Treas.*, John L. Heins, *Supt.*, *Pur. Agt.*, *etc.*—GENERAL OFFICE, Franklin Ave. and Prospect Place, Brooklyn, N. Y.

Greenpoint and Lorimer Street RR. Co. Leased to the New Williamsburgh and Flatbush RR. Co.—Geo. H. Van Allen, *Pres.*, C. B. Cattrell, *Treas.*, Wm. B. Wait, *Sec.*, Chas. E. Harris, *Supt.*—GENERAL OFFICE, cor. Nostrand and Park Aves., Brooklyn, N. Y.

***Harlem Bridge, Morrisania and Fordham RR. Co.** operates 6.5 miles of road, owns 307 horses and 65 cars. *Directors*, Henry Spratley, Wm. Cauldwell, Wm. Remsen, Matthew B. Wynkoop, Horace P. Whitney, Jr., Henry Hart, G. N Whitney, Edwin Bedell, Elijah Whitney, Albert B. Whitney, New York; John J. Hallenbeck, Montclair, N. J., P. T. Barnum, Bridgeport, Conn.—Henry Spratley, *Pres.*, Wm. Cauldwell, *Sec. & Treas.*—GENERAL OFFICE, New York, N. Y.

Herkimer and Mohawk RR. Co. operates 1 80 miles of road, owns 1 freight and 3 passenger cars. *Directors*. J. M. Ausman, E. W. Bronson, J. V. Quackenbush, H. D. Alexander, Mohawk, N. Y.; C. Beckwith, Jacob Small, Henry McNeal, Herkimer, N. Y.—J. M. Ausman, *Pres.*, H. D. Alexander, *Treas.*, Mohawk, N. Y.; Henry McNeal, *Sec.*—GENERAL OFFICE, Herkimer, N. Y.

***Houston, West Street and Pavonia Ferry RR. Co.** operates 5.70 miles of road, owns 432 horses and 60 cars. *Directors*, Henry Thompson, Thomas F. Ryan, John Lowry, E. B. Bradleston, Sol. Mehrbach, James H. Woods, Henry Steers, New York, N. Y.; C. E. Warren, D. B. Hasbrouck, Brooklyn, N. Y.; W. L. Elkins, P. A. B. Widener, W. H. Kemble, Clay Kemble, Philadelphia, Pa.—Henry Thompson, *Pres.*, D. B. Hasbrouck, *Sec. & Treas.*, H. W. Edes, *Supt.*, John Sheehan, *Mast. Tr. Rep.*, Henry Buell, *Mast. Car Rep.*—GENERAL OFFICE, 415 East Tenth St., New York, N. Y.

Jamaica and Brooklyn RR. Co. operates 6 miles of road, owns 37 horses, 11 cars, and 2 snow-ploughs. *Directors*, Morris Fosdick, Aaron A. Degrauw, Martin I. Duryea, George L. Peck, Wm. A. Warnock, Geo. Durland, Jamaica, N. Y.; Joan H. Hentz, Hempstead, N. Y.; Charles A. Willet, Flushing, N. Y.; Alonzo B. Wright, Whitestone, N. Y.—Aaron A. Degrauw, *Pres.*, Morris Fosdick, *Treas.*, Martin I Duryea, *Sec.*, Wm. M. Scott, *Supt.*—GENERAL OFFICE, Jamaica, N. Y.

Jamestown Street Ry. Co. operates 4 miles of road, owns 39 horses, 13 cars and 2 stages. *Directors*, James B. Ross, Wm. C. J. Hall, L. B. Warner, O. E. Jones, Frank E. Gifford, A. N. Broadhead, Robert N. Marvin, Jamestown, N. Y.—James B. Ross, *Pres.*, L. B. Warner, *Vice-Pres.*, A. N. Broadhead, *Treas.*, F. E. Gifford, *Sec.*, Geo. W Jones, *Eng.*, G. E. Maltby, *Supt.*, C. R. Lockwood, *Atty.*—GENERAL OFFICE, Jamestown, N. Y.

Jerome Park RR. Co. operates 1.08 miles of road. — Leonard W. Jerome, *Pres.*, Theodore Moss, *Treas.*, Fred. A. Lovecraft, *Sec.* — GENERAL OFFICE, Fifth Ave. and Twenty-second St., New York, N. Y.

Johnstown, Gloversville and Kingsboro Horse Ry. Co. owns 4.08 miles of road, which, with 18 horses and 6 cars, is leased to Messrs. Stoller and Van Sickler for five years, from December 15, 1885. *Directors*, James Younglove, Richard Fancher, Max Maylander, Jonathan Ricketts, Martin Kennedy, W. S. Northrup, James I. McMartin, John B. Matthews, J. McLaren, Johnstown, N. Y.; Ira Lee, Kingsboro, N. Y.; J. V. Place, W. L. Sporborg, Gloversville, N. Y.; W. L. Jeffers, Amsterdam, N. Y.—James Younglove, *Pres.*, R. Fancher, *Vice-Pres.*, J. McLaren, *Sec. & Treas.*, Henry Stoller, *Supt.*—GENERAL OFFICE, Johnstown, N. Y.

Kingston City RR. Co. operates 2.78 miles of road, owns 39 horses, 8 cars and 3 other vehicles. *Directors*, Samuel D. Coykendall, James G Lindsley, Alva S. Staples, Abel A. Crosby, Michael J. Madden, George Coykendall, Edwin Sherer, Charles Bray, Myron Teller, Jacob H. Tremper, Rondout, N. Y.; Anthony Benson, Kingston, N. Y.—James G. Lindsley, *Pres.*, S. D. Coykendall, *Vice-Pres.*, George Coykendall, *Gen. Man.*, Oscar L. Eastman, *Aud.*, P. E. Schoonmaker, *Sec. & Treas.*, William H. DeGarmo, *Supt.*—GENERAL OFFICE, Rondout, N. Y.

Lansingburg and Cohoes RR. Co. owns 1.1 miles of road, which is operated under lease by the Troy and Lansingburg RR. Co. *Directors*, Wm. Barton, Wm. Kemp, Otis G. Clark, Charles Cleminshaw, Levi Smith, Troy, N. Y.; A. A. Peebles, E Van Schoonhoven, O. H. Dauchy, Lansingburg, N. Y.; George Campbell, Cohoes, N. Y.; James Jackson, Jr., Lockport, N Y.—James Jackson, Jr., *Pres.*, Lockport, N. Y.; Wm. Kemp, *Vice-Pres.*, Joseph J. Hagen, *Sec. & Treas.*, John E. Brown, *Supt.*—GENERAL OFFICE, 203 River St., Troy, N. Y.

Larchmont Manor Co. operates 1.5 miles of road, owns 12 horses and 4 cars —Chas. H. Murray, *Pres.*, E. E. Flint, *Sec.*, G. H. French, *Treas.*, Wm. H. Campbell, *Pur. Agt. & Supt.*—GENERAL OFFICE, Larchmont, N. Y.

Long Island City and Newtown RR. Co. operates 4.5 miles of road, owns 85 horses and 17 cars. *Directors*, Isaac Buchanan, New York City; Augustus Rapelye, Newtown, L. I.; Peter F. Delaney, James Christian, Brooklyn, N. Y.; John H. Courtney, Patrick J. Gleason, Michael Conway, Long Island City, N. Y.—Isaac Buchanan, *Pres.*, New York City; August Rapelye, *Treas.*, Newtown, L. I.; Peter F. Delaney, *Sec.*, Brooklyn, N. Y.; Michael Conway, *Supt.*—GENERAL OFFICE, Long Island City, N. Y.

Main Court and Chenango Street RR. Co. operates 5 miles of road, owns 25 horses and 10 cars.—N. L. Osborn, *Lessee & Supt.*—GENERAL OFFICE, Binghamton, N. Y.

Mohawk and Ilion Horse RR. Co. operates 1.75 miles of road, owns 4 cars. *Directors*, O. W. Bronson, L L. Lowell, H. D. Alexander, R. M. Devendorf, John Brown, J. B. Rafter, Mohawk, N. Y.; C. W. Carpenter, Ilion, N. Y.—O. W. Bronson, *Pres.*, John Brown, *Vice-Pres.*, R. M. Devendorf, *Treas.*, H. D. Alexander, *Sec.*—GENERAL OFFICE, Mohawk, N. Y.

Mount Vernon and East Chester Ry. Co. operates 3.25 miles of road, owns 26 horses and 7 cars. *Directors*, William A. Butler, G. C. Dessar, B. L. Wertheimer, Leopold Wertheimer, Jas. S. Bryne, Louis W. Wertheimer, Chas. Netter, New York, N. Y.; John M. Bell, Brooklyn, N. Y.; D. J. Mallon, Mt. Vernon, N. Y. —B. L. Wertheimer, *Pres.*, Thomas Nichols, *Vice-Pres.*, Jas. S Bryne, *Sec.*, Louis Wertheimer, *Treas.*, L. Rakeman, *Supt.*—GENERAL OFFICE, 261 Broadway, New York, N. Y.

New Brighton and Onondaga Valley RR. Co. operates 1.78 miles of road, owns 6 horses, 2 cars and 1 dummy engine. *Directors*, Matthias Britton, Syracuse, N. Y.; James H. Anderson, East Onondaga, N. Y.; T. W. Meachem, W. T. Hamilton, Syracuse, N.Y.—Matthias Britton, *Pres.*, J. H. Anderson, *Treas.*, T. W. Meachem, *Sec.*, J. H. Anderson, *Supt.*—GENERAL OFFICE, Syracuse, N. Y.

Newburg Street Ry. Co. operates 4 miles of road, owns 20 horses and 6 cars.—D. S. Haines, *Pres.*, A. G. Haines, *Treas.*, E. L. Haines, *Sec.*, J. D Haines, *Pur. Agt.*, C. D. Haines, *Supt. & Gen. Man.*—GENERAL OFFICE, Newburg, N. Y.

New Rochelle and Pelham RR. Co. operates 5 miles of road, owns 30 horses and 8 cars.—W. R. Bergholz, *Pres.*, 15 Cortlandt St., New York, N. Y.; Eugene Durnin, *Sec.*, 20 Nassau St., New York, N. Y.; Thomas E. Crimmins, *Treas.*, 1043 Third Ave., New York, N. Y.—GENERAL OFFICE, New Rochelle, N. Y.

***New Williamsburg and Flatbush RR. Co.** operates 9.25 miles of road, owns 365 horses and 85 cars. *Directors*, G. W. Van Allen, Wm. H. Van Allen, Wm. B. Wait, New York, N. Y.; C. B. Cottrell, Edgar H. Cottrell, Rhode Island, Conn.; Walter A. Jones, West Troy, N. Y.; David W. Binns, Brooklyn, N. Y.—G. W. Van Allen, *Pres.*, Walter A. Jones, *Vice-Pres.*, C. B Cottrell, *Treas.*, Wm. B. Wait, *Sec.*, Chas. E. Harris, *Supt.*—GENERAL OFFICE, cor. Nostrand and Park Aves., Brooklyn, N. Y.

New York and Harlem RR. Co. operates 8.25 miles of road, owns 1,570 horses and 172 cars. *Directors*, Cornelius Vanderbilt, Wm. K. Vanderbilt, Fred. W. Vanderbilt, F. P. Freeman, John B. Dutcher, Jos. Harker, Chauncey M. Depew, Samuel F. Barger, William H. Leonard, John E. Burrill, Charles C. Clarke, Samuel D. Babcock, Alfred Van Santvoord, New York City.—Cornelius Vanderbilt, *Pres.*, Charles C. Clarke, *Vice-Pres.*, Edward V. Rossiter, *Treas. & Sec.*, Alfred Skitt, *Supt.*, Charles Reed, *Pur. Agt.*—GENERAL OFFICE, Grand Central Depot, New York, N. Y.

***Niagara Falls and Suspension Bridge RR. Co.** operates 2.5 miles of road, owns 50 horses, 14 cars, and 2 sleighs. *Directors*, Jacob F. Schoellkopf, Buffalo, N. Y.; Francis C. Beldon, Hans Nielson, Arthur Schoellkopf, George Barker, A. H. Gluck, Henry C. Howard, Wm. J. Mackay, Niagara Falls, N. Y.; Benjamin Flagler, Edward Tuthill, Conrad Fink, M. S. Lange, Amos W. R. Henning, Suspension Bridge, N. Y. —Benjamin Flagler, *Pres.*, H. Nielson, *Vice-Pres.*, Arthur Schoellkopf, *Treas. & Man. Dir.*, William J. Mackay, *Sec.*, Fred. Dean, *Supt.*—GENERAL OFFICE, Niagara Falls, N. Y.

Ninth Avenue RR. Co. operates 8 miles of road, owns 480 horses and 50 cars. *Directors*, Geo. Law, Jr., Paul N. Spofford, E. St J. Hays, Heman B. Wilson, M. Tompkins, Jr., Joseph J. O'Donohue, Otis W. Randall, New York, N. Y.; S. G. Wright, Cambridge, N.Y.; Stephen H Herriman, William Ravesteyn, Brooklyn, N. Y.; James Affleck, J. G. Affleck, Yonkers, N. Y.—Geo. Law, *Pres.*, James Affleck, *Sec. & Treas.*, Lewis P. Foulk, *Supt.*—GENERAL OFFICE, Ninth Ave., cor. Fifty-fourth St., New York, N. Y.

North Second Street and Middle Village RR. Co. operates 6 miles of road, owns 109 horses, 40 cars, and 6 other vehicles. *Directors*, Wm. W. Green, Jas. W. Elwell, John P. Elwell, Charles F. Elwell, Richard H. Greene, Brooklyn, N. Y.; Henry Green,

William T. Graff, New York City.—Richard H. Greene, *Pres. & Recr.*, William W. Green, *Treas.*, William T. Graff, *Sec.*—GENERAL OFFICE, 13 Orient Ave., Brooklyn, N. Y.

Ogdensburg Street Ry. Co. operates 4.54 miles of road, owns 10 horses and 6 cars. *Directors*, W. H. Daniels, Wm. L. Proctor, H. B. Howard, E. A. Newell, W. A. Egert, R. E. Waterman, John M. Kellogg, Ogdensburg, N. Y.—Wm. H. Daniels, *Pres.*, A. E. Smith, *Treas.*, E. A. Newell, *Sec*, H. B. Howard, *Man. Dir.*—GENERAL OFFICE, Ogdensburg, N. Y.

Olean Street RR. Co. operates 1.25 miles of road, owns 8 horses and 3 cars. *Directors*, M. B. Fobes, M. W. Bruse, R. O. Smith, M. B. Bunnell, W. M. Irish, Thos. Gilligan, C. S. Carey, Olean, N. Y.—M. B. Fobes, *Pres. & Supt.*, M. W. Bruse, *Sec. & Treas.*—GENERAL OFFICE, Olean, N. Y.

Oneida Street RR. Co. operates 1.5 miles of road, owns 6 horses and 3 cars. *Directors*, W. J. Hickox, C. W. Chappell, W. A. Stone, John E Stone, A. G. Stephens, H. W. Carpenter, H. S. Klock, J. W. Warner, W. E. Northrup, Oneida, N. Y.—W. J. Hickox, *Pres.*, W. E Northrup, *Sec. & Treas.*, C. Bonta, *Supt.*—GENERAL OFFICE, Oneida, N. Y.

Oswego Street RR. Co. operates 2.26 miles of road, owns 25 horses, 5 cars and 1 other vehicle. *Directors*, James F. Johnson, James Dowdle, F. L. Smith, H. A. Wilcox, F. A. Emerick, H. D. McCaffery, J. B. Donnelly, James Sutton, Haynes L. Hart, P. W. Cullinan, R. J. Oliphant, Albert Himes, Oswego, N. Y.—R. J. Oliphant, *Pres.*, H. D. McCaffery, *Vice-Pres.*, Albert Himes, *Sec. & Treas.*, W. S. Turner, *Gen. Supt.*—GENERAL OFFICE, West Bridge St., Oswego, N. Y.

Park Avenue RR. Co. owns 0.88 miles of road, which is leased for 7 years to Nelson Stow. *Directors*, Erastus Ross, Alonzo C. Matthews, Delancy M. Halbert, David L. Bowenson, Matthew Hays, Burton M. Babcock, Edward A. Matthews, Frederick E. Ross, Eli Meeker, Duncan R. Grant, John Evans, Isaac S. Matthews, Binghamton, N. Y.—Erastus Ross, *Pres*, Frederick E. Ross, *Treas.*, Edward A. Matthews, *Sec.*—GENERAL OFFICE, Binghamton, N. Y.

Prospect Park and Coney Island RR. Co. operates 12.76 miles of road, owns 250 horses, 71 cars, 45 steam and 9 freight cars and 10 locomotives. Street car railroad sold to and operated by the Atlantic Avenue RR. Co. See "Manual of Railroads." *Directors*, Andrew R. Culver, Fraley C. Neibuhr, Brooklyn, N. Y.; Allan C. Washington, Austin Corbin, Sidney Webster, Theo. B. Moore, Wm. T. Reilly, New York, N. Y.—Andrew R. Culver, *Pres.*, Allan C. Washington, *Treas.*, Hiram A. Faron, *Sec.*, R Schermerhorn, *Eng. & Supt.*—GENERAL OFFICE, 16 Court St., Brooklyn, N. Y.

Prospect Park and Flatbush RR. Co. owns 1.5 miles of road, which is leased to the Grand St., Prospect Park and Flatbush RR. Co. *Directors*, Samuel Parkhill, Loftis W. O. Berry, John Hutton, Thos. Eunis, Brooklyn, N. Y.; Alexander Frazer, New York City.—Samuel Parkhill, *Sec. & Treas.*—GENERAL OFFICE, 29 Pulaski St., Brooklyn, N. Y.

***Rochester City and Brighton RR. Co.** operates 26.5 miles of road, owns 682 horses and 178 cars. *Directors*, Geo. Ellwanger, C. B. Woodworth, Patrick Barry, Jas. M. Whitney, C. C. Woodworth, Wm. C. Barry, Wm. D Ellwanger, F. E. Woodworth, Charles F. Pond, Wm. G. Watson, Charles S. Baker, John H. Barry, Chas. P. Barry, Rochester, N. Y.—Patrick Barry, *Pres.*, C. C. Woodworth, *Sec.*, C. B. Woodworth, *Treas.*, Thomas J. Brower, *Supt.*—GENERAL OFFICE, Rochester, N. Y.

Rockaway Village Railway Co. operates 1 mile of road. owns 10 horses and 4 cars. *Directors*, Chas. A. Cheever, John D. Cheever, David L. Haight, Joseph S. Auerbach, C. Fred. Richards, New York, N. Y.; Wm. A. Wynn, Far Rockaway, N. Y.; C. Cunningham, Brooklyn, N. Y.—Chas. A. Cheever, *Pres.*, David L. Haight, *Treas.*, Jos. S. Auerbach, *Sec.*, Rufus B. Martin, *Supt.*—GENERAL OFFICE, 13 Park Row, New York, N. Y.

Rome City Street RR. Co. operates 4 miles of road.—C. D. Haines, *Pres.*, A. G. Haines, *Sec. & Treas.*, D. Haines, *Pur. Agt. & Supt.*—GENERAL OFFICE, Rome, N. Y.

Schenectady Street Ry. Co. operates 2.5 miles of road.—A. R. Chisolm, *Pres.*, Alfred Ely, *Treas. & Gen. Man.*, L. M. Fulton, *Sec.*, D. G. Christie, *Supt.*—GENERAL OFFICE, Schenectady, N. Y.

***Second Avenue RR. Co.** operates 13.5 miles of road, owns 1,969 horses and 317 cars. *Directors*, Wm. S. Thorn, Waldo Hutchins, Peter Schneider, Jas. Everard, Julius Wadsworth, C. Schwarzwaelder, Geo. Starr, Geo. S. Hart, Wm. H. Macy, Wm. C. Young, M. M. White, New York City; Henry K. Sheldon, Brooklyn, N. Y.; Robert Willets, Bayside, L. I.—Wm. S. Thorn, *Pres.*, John B. Underhill, *Sec. & Treas.*—GENERAL OFFICE, Second Ave., cor. Ninty-sixth St., New York, N. Y.

Seneca Falls and Cayuga Lake RR. Co. operates 2.83 miles of road, owns 2 engines and 4 steam cars. *Directors*, C. D. Haines, Brooklyn, N. Y.; J. D. Haines, New York, N. Y.; A. G. Haines, D. S. Haines, A. A. Morris, J. S. Morris, James Merihew, Harry Kingsley, Nathan E. Packer, Walter A. Ferris, James O'Donnell, Geo. S. Devine, Sandy Hill, N. Y.; S. D. Kendrick, Glens Falls, N. Y.—Chas. D. Haines, *Pres.*, John D. Haines, *Sec. & Treas.*, A. G. Haines, *Supt.*—GENERAL OFFICE, Seneca Falls, N. Y.

Seneca Falls and Waterloo RR. Co. operates 4.5 miles of road, owns 2 engines and 8 cars.—Geo. H. Stayner, *Pres. & Treas.*, Chas. D. Haines, *Vice-Pres. & Gen. Man.*, C. H. Williams, *Asst. Treas.*, Henry D Ives, *Sec*, A. G. Haines, *Supt.*—GENERAL OFFICE, Seneca Falls, N. Y.

Sixth Avenue RR. Co. operates 4 miles of road, owns 1,213 horses and 109 cars. *Directors*, Wm. Y. Mortimer, A. R. Van Ness, Henry Demarest, Wm. Bryce, Theo. E. Macy, Charles G. Landon, Samuel Thorne, F. P. Olcott, Frank Curtiss, New York City; Abijah Curtiss, Yonkers, N. Y.; Henry S. Moore, White Plains, N. Y.; Albert W. Green, Brick Church, N. J.—Frank Curtiss, *Pres.*, Henry S. Moore, *Sec. & Treas.*, Edward E. Moore, *Supt.*—GENERAL OFFICE, 758 Sixth Ave., New York, N. Y.

South Brooklyn Central RR. Co. owns 4.25 miles of road, owns 193 horses, 42 cars, and 4 other vehicles. Road leased to Atlantic RR. Co. *Directors*, Wm. Richardson, Wm. J. Richardson, N. H. Frost, James H. Kirby, Henry Meyer, Augustus Storrs, John Williams. Brooklyn, N. Y.—Wm. Richardson, *Pres.*, Wm. J. Richardson, *Sec.*, N. H. Frost, *Treas.*, James Rieddy, *Supt. of Stables, etc.*—GENERAL OFFICE, Atlantic and Third Aves., Brooklyn, N. Y.

South Ferry RR. Co. operates 0.85 miles of road, owns 36 horses and 10 cars. *Directors*, Henry Hart, Albert J. Elias, A. Vanderoef, John Beaver, New York City.—Henry Hart, *Pres.*, Albert J. Elias, *Treas.*, Chas. H. Meeks, *Supt.*—GENERAL OFFICE, 20 Whitehall St., New York, N. Y.

Staten Island Shore RR. Co. operates 7.25 miles of road, owns 38 horses and 13 cars. *Owners*, John Kean, James Moore, Edward G. Brown, Elizabeth, N. J.—GENERAL OFFICE, Tompkinsville, S. I.

Steinway Ave. and Bowery Bay RR. Co. operates 2.5 miles of road, which is leased to the Astoria and Hunter's Point RR. Co. *Directors*, Patrick J. Gleason, Michael E. Conway, John Bannon, John R. McKenna, George S. Crawford, James Moloney, Jeremiah Connors, Long Island City, N. Y.; John H. Cortney, Edward Merrick, Peter F. Delaney, James W. Lamb, Charles Accilarus, Stephen I. Simmons, Brooklyn, N. Y.—Patrick J. Gleason, *Pres. & Treas.*, George S. Crawford, *Sec.*, Michael E. Conway, *Supt.*—GENERAL OFFICE, 112 Front St., Long Island City, N. Y.

***Steinway and Hunter's Point RR. Co.** operates 15.75 miles of road, owns 210 horses, 61 cars, 2 snow-ploughs and 10 other vehicles. *Directors*, Wm. Steinway, Henry Zeigler, Geo. A. Steinway, Chas. H. Steinway, Harry D. Low, Charles F. Tretbar, New York, N. Y.; Henry A. Cassebeer, Jr., Long Island City, N. Y.—Geo. A. Steinway, *Pres.*, Henry A. Cassebeer, Jr., *Vice-Pres.*, Charles F. Tretbar, *Sec. & Treas.*, W. H. Delahanty, *Supt.*, John Wood. *Mast. Tr. Rep.*, Louis Hess, *Mast. Car. Rep.*—GENERAL OFFICE, 111 East Fourteenth St., New York, N. Y.

Stillwater and Mechanicville RR. Co. operates 4.35 miles of road, owns 6 horses and 3 cars. *Directors*, Simeon Rowley, Rial Newland, Wm. L. Denison, E. H. Smith, Lyman Smith, James W. Smith, Geo. H. Bunce, George H. Lansing, Wm. S. Miller, Wm. H. Blood, Lawrence Van Demark. Edward Wood, Peter Van Vechten, Stillwater, N. Y.—

Wm. L. Denison, *Pres.*, Edward Wood, *Sec. & Treas.*, Peter Van Vechten, *Supt.*—GENERAL OFFICE, Stillwater, Saratoga Co., N. Y.

Syracuse and Geddes RR. Co. operates 2 miles of road, owns 35 horses, 7 cars and 2 snow-ploughs. *Directors*, R. N. Gere, Daniel P. Wood, Rasselas A. Bonta, Peter Burns, Chas. Andrews, Robert McCarthy, Chas. T. Redfield, Jonathan G. Wynkoop, Wm. J. Hart, George C. Gere, Isaac R. Pharis, Charles E. Hubbell, Thos. W. Meachem, Syracuse, N. Y.—R. N. Gere, *Pres.*, R. A. Bonta, *Sec. & Treas.*, William J. Hart, *Supt.*—GENERAL OFFICE, 1 Onondaga Co., Savings Bank Building, Syracuse, N. Y.

Syracuse and Onondaga RR. Co. operates 2 miles of road, owns 20 horses and 9 cars. *Directors*, Peter Burns, Anson N. Palmer, Joseph H. Palmer, Chas. P. Clark, Wilbur M. Brown, H. W. Van Buren, M. W. Hanchett, Jacob Schemerhorn, Mathias Britton, T. W. Meachem, Frederick T. Kimber, L. C. Smith, Syracuse, N. Y.—Peter Burns, *Pres.*, C. P. Clark, *Vice-Pres.*, Lyman C. Smith, *Sec. & Treas.*, Henry Thompson, *Supt.*—GENERAL OFFICE, 165 South Clinton St., Syracuse, N. Y.

***Third Avenue RR. Co.** operates 14 miles of road, owns 2,190 horses and 360 cars. *Directors*, Wm. Remsen, Henry Hart, Lewis Lyon, Robert G. Remsen, John E. Parsons, M. G. Lane, Edward Lauterbach, Wm. M. Prichard, Samuel Hall, Sylvanus S. Riker, Robert W. Tailor, Sol. Mehrbach, New York, N. Y.; Robert Willett, Bayside, L. I.—Lewis Lyon, *Pres.*, Henry Hart, *Vice-Pres.*, Alfred Lazarus, *Sec.*, John Beaver, *Treas.*, John H. Robertson, *Supt.*—GENERAL OFFICE, 1,119 Third Ave., New York, N. Y.

Troy and Albia RR. Co. operates 3.17 miles of road, owns 51 horses and 11 cars. *Directors*, Thomas A. Knickerbocker, Lewis E. Gurley, Joseph J. Tillinghast, Wm. W. Whitman, Geo. T. Lane, Ebenezer H. Virgill, Wm. H. Young, F. W. Farnam, Theo. E. Hazlehurst, Levi Smith, Cicero Price, Daniel W. Ford, Wm. E. Gilbert Troy, N. Y.—Thos. A. Knickerbocker, *Pres.*, Theo. E. Hazlehurst, *Sec. & Treas.*, Wm. R. Bean, *Supt.*—GENERAL OFFICE, 11 First St., Troy, N. Y.

Troy and Cohoes RR. Co. operates 3.5 miles of road, which is leased to Troy and Lansingburg RR. Co. *Directors*, Wm. Barton, Jos. W. Fuller, John H. Warren, Joseph M. Warren, William Kemp, M. H. Burton, Joseph B. Carr, Charles Cleminshaw, Otis G. Clark, James A. Eddy, Troy, N. Y.; Joseph W. Moore, Cohoes, N. Y.; Augustus A. Peebles, Lansingburg, N. Y.—William Barton, *Pres.*, William Kemp, *Vice-Pres.*, Joseph J. Hagen, *Sec. & Treas.*, John E. Brown, *Supt.*—GENERAL OFFICE, 205 River St., Troy, N. Y.

***Troy and Lansingburg RR. Co.** operates 13.31 miles of road, owns 328 horses and 95 cars. *Directors*, Elihu G. Akin, Chas. L. Alden, Wm. Barton, Wm. Kemp, Chas. Cleminshaw, Joseph B. Carr, Otis G. Clark, E. A. Peck, H. B. Dauchy, Charles W. Tillinghast, Troy, N. Y.; David T. Lamb, Waterford, N. Y.; N. B. Powers, John W. Clipperly, Lansingburg, N. Y.—William Kemp, *Pres.*, Charles Cleminshaw, *Vice-Pres.*, Joseph J. Hagen, *Sec. & Treas.*, John E. Brown, *Supt.*, Leander C. Brown, *Asst. Supt.*, Chas. H. Smith, *Asst. Supt.*—GENERAL OFFICE, 205 River St., Troy, N. Y.

***Twenty-third Street RR. Co.** operates 7 miles of road, owns 756 horses and 123 cars. *Directors*, Jacob Sharp, Lewis May, Wm. Menzies, Henderson Moore, James Lynch, Isaac Hendrix, Chas. P. Frame, John Downey L. Marx, John H. Selmes, Henry Sanford, James Flanagan, Lazarus Rosenfield, New York City.—Jacob Sharp, *Pres.*, Thomas H. McLean, *Sec.*, Lewis May, *Treas.*, Geo. Ferry, *Acting Supt.*—GENERAL OFFICE, 621 West Twenty-third St., New York, N. Y.

***Utica Belt Line Ry. Co.** operates 8 miles of road, owns 60 horses and 20 cars.—Chas. B. Tefft, *Pres.*, Chas. W. Mather, *Treas.*, I. J. Griffith, *Sec. & Pur. Agt.*, John G. Jones, *Supt.*—GENERAL OFFICE, Utica, N. Y.

Utica, Clinton and Binghamton RR. Co. operates 7.59 miles of road, owns 91 horses and 14 cars. Road leased to Utica Belt Line Ry. Co. *Directors*, John Thorn, George W. Adams, Wm. M. Storrs, Robert S. Williams, Utica, N. Y.; George B. Phelps, Watertown, N. Y.; James I. Scollard, E. S. Williams, William S. Bartlett, Clinton, N. Y.; Allen W. Reynolds, Oriskany Falls, N. Y.; Allen Curtis, Madison, N. Y.; John W. Lippett, Solsville, N. Y.; Frank D. Beebe, Albert N. Sheldon, Hamilton, N. Y.—James I. Scollard, *Pres.*, George B. Phelps, *Vice-Pres.*, Robert S. Williams, *Sec. & Treas.*, Roger Rock, *Supt.*—GENERAL OFFICE, Utica, N. Y.

Utica and Mohawk RR. Co. operates 2.33 miles of road, owns 11 horses and 8 cars. *Directors*, James F. Mann, John H. Sheehan, William E. Lewis, A. D. Barber, T. R. Proctor, Geo. D. Dimon, Ward Hunt, P. C. J. De Angelis, J. B. Wild, C. G. Duffy, R. G. Hoerlein, J. M. Childs, W. P. Fish, Utica, N. Y.—James F. Mann, *Pres.*, W. E. Lewis, *Sec.*, Geo. D. Dimon, *Treas.*, Michael Leary, *Supt.*—GENERAL OFFICE, Utica, N. Y.

Van Brunt Street and Erie Basin RR. Co. operates 1.5 miles of road, owns 24 horses and 7 cars. *Directors*, John Cunningham, Edmund Terry, David W. Binns, Franklin Stebbins, Jeremiah P. Robinson, C. P. Cunningham, Joseph White, Brooklyn, N. Y.—John Cunningham, *Pres. & Supt.*, Edmund Terry, *Sec. & Treas.*—GENERAL OFFICE, 264 Van Brunt St., Brooklyn, N. Y.

***Washington Street and State Asylum RR. Co.** owns 3.5 miles of road, 28 horses and 12 cars. Leased to George W. Stow, and operated by him in connection with the Park Avenue RR., which he also leases. *Directors*, George Whitney, R. H. Meagley, F. W. Whitney, Geo. F. Lyon, Warren N. Bennett, Ira J. Meagley, Edward K. Clark, R. Hooper, Isaiah S. Mathews, Allen Perkins, William R. Osborn, Erastus Ross, Frederick E. Ross, Binghamton, N. Y.—Roscoe H. Meagley *Pres.*, Geo. Whitney, *Vice-Pres.*, Frederick E. Ross, *Treas.*, I. J. Meagley, *Sec.*, Henry C. Merrick, *Eng.*, Wm. Whitney, *Supt.*—GENERAL OFFICE, 216 Front St., Binghamton, N. Y.

Waterford and Cohoes RR. Co. owns 1.87 miles of road, which is leased to the Troy and Lansingburg RR. Co. *Directors*, Thomas Breslin, Charles C. Ormsby, Edward G. Munson, William Burton, J. W. Hines, John Laughlin, Abner J. Griffin, John J. Dunlop, Henry C. Vandenbergh, Waterford, N. Y.; William M. White, Utica, N. Y.; Thomas A. Knickerbocker, Troy, N. Y.; Geo. Campbell, John Wakeman, Cohoes, N. Y.—Thomas Breslin, *Pres.*, Geo. Campbell, *Vice-Pres.*, Charles C. Ormsby, *Sec. & Treas.*—GENERAL OFFICE, Waterford, N. Y.

Watervliet Turnpike and RR. Co. operates 8.34 miles of road, owns 146 horses and 31 cars. *Directors*, Charles Newman, James B. Jermain, Joseph W. Tillinghast, Dudley Olcott, C. B. Tillinghast, John J. Acker, Evert Everitsen, Rufus H. King, Albany, N. Y.; F. A. Fales, Troy, N. Y.—Chas. B. Tillinghast, *Vice-Pres.*, Cantine Tremper, *Treas. & Sec.*, Amos Free, *Supt.*—GENERAL OFFICE, Albany, N. Y.

STATE OF SOUTH CAROLINA.

Gilreath, Harris and Co. operates 4.5 miles of road, owns 20 mules and 10 cars.—GENERAL OFFICE, Greenville, S. C.

STATE OF OHIO.

Akron Street Ry. and Herdic Co. operates 2 miles of road, owns 28 horses, 5 mules, 6 cars and 3 other vehicles.—Ira M. Miller, *Pres.*, Frank M. Atterholt, *Sec.*, B. L. Dodge, *Treas.*, John E. Metlin, *Supt.*—GENERAL OFFICE, Akron, O.

Ashtabula Street RR. Co. operates 4.5 miles of road, owns 60 horses, 9 cars and 2 snow-ploughs.—Jno. N. Stewart, *Owner & Prop.*—GENERAL OFFICE, 28 Prospect St., Ashtabula, O.

Bellaire Street RR. Co. operates 3.5 miles of road, owns 9 horses, 3 mules and 5 cars.—C. Bippus, *Pres.*, Jas. Fitton, *Sec.*, S. O. Cummins, *Treas.*, J. D. Baker, *Pur. Agt.*, A. McClain, *Supt.*—GENERAL OFFICE, Bellaire, O.

Berea Street RR. Co. operates 1.25 miles of road, owns 4 horses and 2 cars. *Directors*, C. W. D. Miller, T. Churchward, A. H. Pomeroy, F. T. Pomeroy, A. W. Bishop, Berea, O.—C. W. D. Miller, *Pres.*, T. Churchward, *Vice-Pres.*, A. H. Pomeroy, *Sec.*, F. T. Pomeroy, *Treas.*, A. W. Bishop, *Supt. & P. A.*—GENERAL OFFICE, First National Bank Building, Berea, O.

Broadway and Newburg RR. Co. operates 5.5 miles of road, owns 150 horses and 10 cars.—J. Stanley, *Pres.*, E. Fowler, *Sec. & Treas.*, J. Stanley, *Supt.*—GENERAL OFFICE, 1,473 Broadway, Cleveland, O.

***Brooklyn Street RR. Co.** operates 10 miles of road, owns 350 horses and 70 cars.—T. L. Johnson, *Pres.*, J. H. Hoefgen, *Sec.*, John McConnell, *Treas.*, A. S. Johnson, *Gen. Supt.*—GENERAL OFFICE, 1,301 Pearl St., Cleveland, O.

***Canton Street Railway Co.** operates 4.5 miles of road, owns 58 horses and 11 cars.—G. E. Cook, *Pres.*, *Treas. & Pur. Agt.*, John F. Clark. *Sec.*, O. S. Stanton, *Supt.*—GENERAL OFFICE, 4 East Seventh St., Canton, O.

Central Passenger RR. Co. operates 8 miles of road, owns 70 horses and 17 cars. *Directors*, Charles Pratt, A. R. Seagrave, J. V. Sanfleet, C. F. Parkis, E. H. Potter, F. E. Seagrave, Toledo, O.—F. E. Seagrave, *Pres.*, C. F. Parkis, *Sec.*, A. R. Seagrave, *Treas.*, Jas. Murphy, *Supt.*—GENERAL OFFICE, Toledo, O.

Chillicothe Street RR. Co. operates 2 miles of road, owns 12 horses and 7 cars.—E. P. Stafford, *Pres.*, Samuel Epstine, *Vice-Pres.*, A. E. Wemis, *Sec.*, Wm. Poland, *Treas.*, E. H. McMartin, *Supt.*—GENERAL OFFICE, Chillicothe, O.

Cincinnati and Mt. Auburn RR. Co. operates 3 miles of road, owns 150 horses and 25 cars.—George A. Smith, *Pres.*, J. M. Doherty, *Sec. & Supt.*, Jos. S. Hill, *Treas.*—GENERAL OFFICE, Cincinnati, O.

***Cincinnati Street Railway Co.** operates 100 miles of road, owns 2,000 horses, 275 cars and 39 other vehicles. *Directors*, A. D. Bullock, Albert G. Clark, Henry Hanna, John Kilgour, Theodore Marsh, Joseph H. Rogers, Matthew Ryan, Lewis Seasongood, Cincinnati, O.—John Kilgour, *Pres.*, Jas. A. Collins, *Sec. & Aud.*, Robt. A. Dunlap, *Treas.*, John Harris, *Supt.*, Benj. F. Haughton, *P. A.*, F. R. Weisenecker, *Mast. Tr. Rep.*, E. I. Robinson, *Mast. Car Rep.*—GENERAL OFFICE, Apollo Building, Cincinnati, O.

***Citizens' Street RR. Co.** operates 10.5 miles of road, owns 126 horses and 21 cars.—D. W. Stroud, *Pres.*, Asa Bushnell, *Vice-Pres.*, F. S. Pinfield, *Sec.*, Ross Mitchell, *Treas.*, D. W. Stroud, *Pur. Agt.*, W. H. Hanford, *Supt.*—GENERAL OFFICE, West Main and George Sts., Springfield, O.

Columbus and Cincinnati Street RR. Co. operates 18 miles of road, owns 356 horses and 76 cars. *Directors*, A. D. Rodgers, Wm. B. Hayden, H. T. Chittenden, C. H. Hayden, B. S. Brown, E. T. Wilhoit, S. S. Rickly, R. Jones, T. P. Gordon, R. E. Sheldon, E. K. Stewart, Columbus, O.—A. D. Rodgers, *Pres.*, H. T. Chittenden, *Vice-Pres.*, E. K. Stewart, *Sec. & Treas.*, J. H. Atcherson, *Supt.*, J. H. Pimlot, *Mast. Car Rep.*—GENERAL OFFICE, Columbus, O.

***Columbus Consolidated RR. Co.** operates 23 miles of road, owns 400 horses and 100 cars. *Directors*, A. D. Rodgers, W. B. Hayden, H. T. Chittenden, C. H. Hayden, B. S. Brown, E. T. Mitchell, S. S. Rickly, R. Jones, T. P. Gordon, R. E. Sheldon, E. K. Stewart, Columbus, O.—A. D. Rodgers, *Pres.*, H. T. Chittenden, *Vice-Pres.*, E. K. Stewart, *Sec. & Treas.*, J. H. Atcherson, *Supt.*, J. H. Pimlot, *Mast. Car Rep.*—GENERAL OFFICE, Columbus, O.

Columbia and Cincinnati (Dummy) RR. Co. operates 5 miles of road. *Directors*, C. F. Stiles, C. G. Gore, J. Mack, J. Kilgour, C. H. Kilgour, Cincinnati, O.—C. H. Kilgour, *Pres.*, John Kilgour, *Vice-Pres.*, A. H. Meier, *Sec.*, C. G. Gore, *Treas.*—GENERAL OFFICE, 14 West Third St., Cincinnati, O.

***Dayton Street RR. Co.** operates 7.5 miles of road, owns 40 mules, 60 horses and 25 cars. *Directors*, W. H. Simms, H. S. Williams, C. B. Clegg, C. J. Ferneding, E. J. Barney, S. Craighead, Geo. W. Rogers, Dayton, O.—C. J. Ferneding, *Pres.*, Geo. W. Rogers, *Vice-Pres.*, C. A. Craighead, *Sec.*, Third National Bank, *Treas.*, A. W. Anderson, *Supt.*—GENERAL OFFICE, Third St., west of King, Dayton, O.

***East Cleveland RR. Co.** operates 21 miles of road, owns 520 horses and 116 cars. *Directors*, A. Everett, Charles Wason, G. E. Herrick, J. H. Wade, Chas. A. Otis, J. H. Wade, Jr., H. A. Everett, Cleveland, O.—A. Everett, *Pres.*, Chas. Wason, *Vice-Pres.*, H. A. Everett, *Sec. & Treas.*, Edwin Duty, *Supt.*, *etc.*—GENERAL OFFICE, 1,154 Euclid Ave., Cleveland, O.

Fifth Street RR. Co. operates 3.5 miles of road, double track, owns 54 horses and 16 cars. *Directors*, A. A. Thomas, D. B. Corwin, R. I. Cummin, J. C. Pierce, Dayton, O.; L. D. Ellison, P. Roach, L. Harris, Wm. O'Brien, Cincinnati, O.—A. A. Thomas, *Pres.*, D. B. Corwin, *Sec.*, R. I. Cummin, *Treas.*, J. M. B. Lewis, *Supt.*, *P. A.*, *etc.*—GENERAL OFFICE, Dayton, O.

Glenwood and Greenlawn Street Ry. Co. operates 4 miles of road, owns 25 horses and 8 cars. *Directors*, A. D. Rodgers, B. S. Brown, W. B. Hayden, J. R. Hughes, J. M. Briggs, Columbus, O.—A. D. Rodgers, *Pres.*, B. S. Brown, *Vice-Pres.*, R. R. Rickly, *Sec.*, S. S. Rickly, *Treas.*, Jonas Willcox, *Supt.*, *P. A.*, *etc.*—GENERAL OFFICE, Columbus, O.

Hamilton Street RR. Co. operates 4 miles of road, owns 5 horses, 7 mules and 11 cars.—Jas. S. Giffen, *Pres.*, I. V. Parrish, *Sec.*, H. L. Morey, *Treas.*, J. C. Bigelow, *Supt.*—GENERAL OFFICE, Hamilton, O.

Lake Side Street Railway Co. operates 3 miles of road, owns 24 horses, 1 engine and 6 cars.—G. E. Cook, *Pres.*, W. S. Alexander. *Sec.*, O. S. Stanton, *Supt.*—GENERAL OFFICE, 4 East Seventh St., Canton, O.

Lima Street Ry. Co. operates 2 miles of road, owns 6 horses and 3 cars.—Geo. Jamison, *Pres.*, J. M. Coe, *Sec.*, S. W. Moore, *Treas.*—GENERAL OFFICE, Lima, O.

***Main Street Cincinnati Inclined Plane Ry. Co.** operates 6 miles of road, owns 150 horses and 25 cars.—Geo. A. Smith, *Pres.*, J. M. Doherty, *Sec.*, *P. A.*, *etc.*, Jas. S. Hill, *Treas.*—GENERAL OFFICE, Cincinnati, O.

Metropolitan Street RR. Co. operates 10 miles of road, owns 100 horses and 28 cars.—John J. Shipherd, *Pres. & Sec.*, H. E. Wells, *Treas.*, J. A. Watson, *Supt.*, F. F. Shipherd, *Pur. Agt.*—GENERAL OFFICE, Cherry, cor. Bancroft St., Toledo, O.

Middletown and Madison Street RR. Co. operates 2 miles of road, owns 6 horses and 4 cars. *Directors*, C. F. Gunckel, E. W. Gunckel, L. Gunckel, R. D. Marshall, F. H. Short, Middletown, O.—C. F. Gunckel, *Pres.*, E. W. Gunckel, *Sec. & Treas.*, D. L. Sutphin, *Supt.*—GENERAL OFFICE, Middletown, O.

***Mt. Adams and Eden Park Inclined RR. Co.** operates 16 miles of road, owns 320 horses and 40 cars.—G. B. Kerper, *Pres. & Treas.*, J. R. Murdock, *Sec.*, C. Whitten, *Supt.*—GENERAL OFFICE, Cincinnati, O.

***Oakwood Street Ry. Co.** operates 3 miles of road, owns 65 horses and 14 cars. *Directors*, C. B. Clegg, H. V. Perrine, A. L. Stout, Dayton, O.—C. B. Clegg, *Pres.*, *Supt. & Pur. Agt.*, M. P. Moore, *Sec.*, Wm. Jones, *Mast. Tr. & Car Rep.*—GENERAL OFFICE, Dayton, O.

Portsmouth Street RR. Co. operates 2 miles of road, owns 10 horses and 6 cars. *Directors*, James Skelton, W. S. McColm, A. C. Thompson, John Dice, Maria Reed, A. E. Reed, Enos Reed, Portsmouth, O.—Jas. Skelton, *Pres.*, Enos Reed, *Sec.*, *Treas. & Supt.*, Samuel Williams, *Mast. Tr. Rep.*—GENERAL OFFICE, Portsmouth, O.

St. Clair Street Ry. Co. operates 9 miles of road, owns 125 horses and 29 cars.—Chas. Hathaway, *Pres.*, S. S. Lyon, *Vice-Pres.*, Chas. Hathaway, Jr., *Treas. & Gen. Man.*, Alfred G. Hathaway, *Sec.*—GENERAL OFFICE, 815 St. Clair St., Cleveland, O.

Sandusky Street Ry. Co. operates 4 miles of road, owns 28 horses and 7 cars. *Directors*, Charles V. Olds, Clark Rude, Augustus H. Moss, Jay O. Moss, Augustus C. Moss, Sandusky, O.—Chas. V. Olds, *Pres.*, A. H. Moss, *Vice-Pres.*, A. C. Moss, *Sec. & Treas.*, Clark Rude, *Supt.*—GENERAL OFFICE, Sandusky, O.

South Covington and Cincinnati Street Ry. Co. operates 17.75 miles of road, owns 290 horses and 46 cars.—E. F. Abbott, *Pres.*, J. C. Benton, *Sec.*, G. M. Abbott, *Treas.*—OFFICE, 402 Scott St., Covington, Ky.

South Side Street RR. Co. operates 4 miles of road, owns 60 horses and 8 cars.—T. L. Johnson, *Pres.*, J. B. Hoefgen, *Sec. & Treas.*, A. L. Johnson, *Supt.*, C. Sholts, *Supt. Car Rep.*, A. M. Emerson, *Pur. Agt.*—GENERAL OFFICE, Cleveland, O.

***Superior Street RR. Co.** operates 13 miles of road, owns 220 horses and 54 cars.—Frank de H. Robison, *Pres.*, John Koch, *Vice-Pres.*, M. S. Robison, Jr., *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, Cleveland, O.

***Toledo Consolidated Street Ry. Co.** operates 19 miles of road, owns 254 horses and 46 cars. *Directors*, D. E. Bailey, J. E. Bailey, James Dority, Rich-

ard Waite, Albion C. Lang, Toledo, O.—J. E. Bailey, *Pres. & Treas.*, A. E. Lang, *Sec.*, John Gilmartin, *Supt.*, Samuel Emery, *Mast. Car Rep.*—GENERAL OFFICE, 48 Summit St., Toledo, O.

***Woodland and West Side RR. Co.** operates 17 miles of road, owns 560 horses, 40 mules and 105 cars.—M. A. Hanna, *Pres.*, J. F. Card, *Vice-Pres.*, J. B. Hanna, *Sec. & P. A.*, G. G. Mulhern, *Supt.*—GENERAL OFFICE, cor. Pearl and Detroit Sts., Cleveland, O.

Wayne and Fifth Street Ry. Co. operates 3.5 miles of road, owns 30 horses and 6 cars. *Directors*, George W. Shaw, Ezra Binner, John Harries, Jas. J. Bradford, Eugene Winichet, Dayton, O.—George W. Shaw, *Pres.*, Ezra Binner, *Vice-Pres.*, Eugene Winichet, *Sec. & Treas.*, Nelson Routzahar, *Supt.*, Ezra Binner, *P. A., etc.*—GENERAL OFFICE, 29 Wayne St., Dayton, O.

***West Side Street Ry. Co.** No further information.

Youngstown Street RR. Co. op rates 2.5 miles of road, owns 25 horses and 6 cars.—David Mackey, *Pres.*, John R. Davis, *Vice-Pres.*, Alfred Smith, *Sec. & Treas.*, Joseph O'Nell, *Supt.*—GENERAL OFFICE, Youngstown, O.

Zanesville and McIntyre Street Ry. Co. operates 3.25 miles of road, owns 54 mules, 12 cars and 2 other vehicles. *Directors*, T. B. Townsend, N. C. Townsend, J. Burgess, C. Burgess, C. Townsend, Zanesville, O.—J. Burgess, *Pres.*, *P. A., etc.*, W. C. Townsend, *Sec.*, J. B. Townsend, *Treas.*, J. Coltrap, *Supt. & Mast. Car Rep.*—GENERAL OFFICE, 200 Main St., Zanesville, O.

STATE OF OREGON.

Multnomah Street Ry. Co. operates 2.75 miles of road, owns 65 horses and 19 cars.—A. M. King, *Pres.*, E. A. King, *Sec.*—GENERAL OFFICE, Portland, Ore.

Portland Street RR. Co. operates 2 miles of road, owns 40 horses and 11 cars.—D. P. Thompson, *Pres.*, C. K. Harbaugh, *Sec. & Supt.*—GENERAL OFFICE, 104 Fourth St., Portland, Ore.

Transcontinental Street Ry. Co. operates 10 miles of road, owns 100 horses and 24 cars.—W. F. Burrell, *Pres.*, D. W. Wakefield, *Sec.*, T. Woodward, *Pur. Agt. & Supt.*—GENERAL OFFICE, 145 G St., Portland, Ore.

STATE OF PENNSYLVANIA.

Allentown Passenger Ry. Co. operates 3.41 miles of road, owns 22 horses and 6 cars. *Directors*, Samuel Lewis, William Saeger, John D. Stiles, Reuben P. Steckel, Robert E. Wright, Russel A. Thayer, Allentown, Pa.—Samuel Lewis, *Pres.*, Joseph E. Ballitt, *Sec. & Treas.*, A. T. Brown, *Gen. Supt.*—GENERAL OFFICE, Allentown, Pa.

Beaver Valley Street RR. Co. operates 3.1 miles of road, owns 37 horses and 8 cars.—M. L. Knight, *Pres.*, Jas. F. Merriman, *Sec. & Treas.*, L. Richardson, *Supt.*—GENERAL OFFICE, Beaver Falls, Pa.

Bradford and Kendall RR. Co. operates 1.53 miles of road, owns 8 horses and 3 cars.—*Directors*, James Broder, Thomas Connerly, Geo. A. Berry, E. Parsons, Bradford, Pa.; Geo. R. Whetmore, Warren, Pa.—James Broder, *Pres.*, E. Parsons, *Treas.*, *Gen. Man. & Supt.*, N. B. Parsons, *Sec.*, *Pur. Agt., etc.*—GENERAL OFFICE, Bradford, Pa.

Central Passenger Ry. Co. operates 3 miles of road, owns 103 horses and 16 cars. *Directors*, George I. Whitney, L. H. Williams, Robt. K. Wilson, F. L. Stephenson, R. G. Herron, Jesse H. Lippincott, Jas. H. Reed, Pittsburgh, Pa.—Geo. I. Whitney, *Pres.*, F. L. Stephenson, *Sec. & Treas.*, R. G. Herron, *Gen. Supt. & P. A.*—GENERAL OFFICE, Pittsburgh, Pa.

Chester Street RR. Co. operates 7.5 miles of road, owns 80 horses, 19 cars and 1 snow-plough. *Directors*, J. Frank Black, Wm. S. Blakeley, Samuel A. Dyer, Thomas J. Houston, Geo. B. Lindsay, Hugh Shaw, J. Lewis Croger, E. Mitchell Cornwall, Chester, Pa.; Richard Peters, Jr., Thurlow, Pa.—E. M. Cornell, *Pres.*, Wm. S. Blakely, *Sec.*, Samuel H. Seeds, *Treas.*—GENERAL OFFICE, Chester, Pa.

***Citizen's Passenger RR. Co.** (Philadelphia) operates 10.5 miles of road, owns 480 horses and 92 cars. *Directors*, Chas. E. Ellis, John H. McIlwain, Charles T. Colladay, Richard M. Hartley, John H. Sloan, Philadelphia, Pa.—John McCarthy, *Pres.*, John Q. Adams, *Sec. & Treas.*, A. B. Scarborough, *Supt. & Mast. Car Rep.*, Samuel Mink, *Mast. Tr. Rep.*—GENERAL OFFICE, cor. Twelfth St. and Susquehanna Ave., Philadelphia, Pa.

***Citizen's Passenger RR. Co.** (Pittsburgh) operates 8.25 miles of road, owns 310 horses and 52 cars.—*Directors*, John G. Holmes, Allegheny, Pa.; James Verner, J. J. Donnell, Joshua Rhodes, Wilson McCandler, Pittsburgh, Pa.—John G. Holmes, *Pres.*, Chas. M. Gormly, *Sec.*, J. J. Donnell, *Treas.*, M. A. Verner, *Gen. Supt.*—GENERAL OFFICE, Pittsburgh, Pa.

City Passenger Ry. Co. of Altoona operates 3.5 miles of road, owns 39 horses and 17 cars. *Directors*, John P. Levan, Wm. Murray, C. A. Wood, David Koch, A. J. Anderson, Geo. A. McCormick, Andrew Kipple, Altoona, Pa.; James Louther, Bellwood, Pa.; H. S. Frank, Philadelphia, Pa.—John P. Levan, *Pres.*, L. B. Reifsneider, *Sec. & Treas.*, John J. Buck, *Supt.*, Andrew J. Riley, *Solicitor.*—GENERAL OFFICE, Locust St., below Third, Altoona, Pa.

Coalville RR. Co. operates 2.5 miles of road, owns 12 horses, 3 cars and 3 other vehicles. *Directors*, Chas. A. Miner, Elias Robbins, Geo. W. Kirkendall, John G. Wood, Isaac M. Thomas, Wilkesbarre, Pa.—Chas. A. Miner, *Pres.*, Geo. Loveland, *Sec. & Treas.*, Albert S. Orr, *Gen. Supt.*—GENERAL OFFICE, Wilkesbarre, Pa.

Continental RR. Co. operates 10.5 miles of road. *Directors*, P. A. B. Widener, Clay Kemble, G. W. Elkins, Wm. J. Elliott, Geo. D. Widener, Philadelphia, Pa.—Wm. L. Elkins, *Pres.*, John B. Peddle, *Sec. & Treas.*—GENERAL OFFICE, Philadelphia, Pa.

East End Passenger Ry. Co. operates 1.5 miles of road, owns 6 horses and 3 cars.—M. L. Herr, *Pres.*, M. F. Steigerwalt, *Treas. & Supt.*, W. A. Heitshu, *Sec.*—GENERAL OFFICE, Lancaster, Pa.

***Easton, South Easton and West End Passenger RR. Co.** (This company is the consolidation of the Easton and South Easton and the West End Passenger Ry. Companies, May 31st, 1886. Chartered June 2d, 1886.) Operates 4 miles of road, owns 34 horses, 11 cars and 4 sleighs. *Directors*, Frederick Green, H. A. Sage, Jr., Winfield S. Hulick, Frank S. Sage, Easton, Pa.; Elisha Burwell, Peter S. Beidler, Gamble Young, South Easton, Pa.—Henry A. Sage, *Pres.*, H. W. Cooley, *Sec. & Treas.*, Elisha Burwell, *Gen. Supt.*—GENERAL OFFICE, 348 Northampton, St., Easton, Pa.

Empire Passenger Ry. Co. (Philadelphia) owns 8.50 miles of road, which is leased to the Citizen's and Seventeenth and Nineteenth St. RR. Cos. *Directors*, Frank H. Ellis, John McCarthy, C. W. Walton, P. A. B. Widener, W. H. Kemble, Philadelphia, Pa.—James McManes, *Pres.*, John Q. Adams, *Sec. & Treas.*—GENERAL OFFICE, Twelfth St., cor. Susquehanna Ave., Philadelphia, Pa.

Erie City Passenger Ry. Co. operates 8.84 miles of road, owns 88 horses and 17 cars.—*Directors*, August Jarickl, John Berst, Titus Berst, H. L. Berst, Herman James, F. P. Bailey, Jacob Berst, Erie, Pa.—William W. Reed, *Pres.*, J. L. Sternberg, *Sec.*, Wm. Spencer, *Treas.*, Jacob Berst, *Gen. Man.*—GENERAL OFFICE, Second and State Sts., Erie, Pa.

***Federal Street and Pleasant Valley Passenger RR. Co.** operates 4.8 miles of road, owns 167 horses, 23 cars and 4 other vehicles. *Directors*, R. H. King, J. P. Speer, D. F. Henry, William Roseburg, Frank Rohm, R. K. Wilson, Wm. H. Graham, John B. Jackson, Pittsburgh, Pa.—William McCreery, *Pres.*, R. F. Ramsey, *Sec.*, James Boyle, *Treas.*, W. J. Crozier, *Gen. Supt.*—GENERAL OFFICE, 127 Taggart St., Allegheny City, Pa.

***Frankford and Southwark RR. Co.** operates 29.06 miles of road, owns 618 horses, 9 dummy engines and 93 cars. *Directors*, Alfred Smith, Edward S. Handy, John Nobilt, J. J. Sullivan, John L. Lawson, Edgar Fries, James H. Gay, Daniel Haddock, Jr., Charles S. Lincoln, David Fleming, Horace Geiger, Moses W. Lipper, Philadelphia, Pa.—John Nobilt, *Pres.*, Thos. S. Harris, *Sec.*, R. C. Brewster, *Treas.*, T. Elwood Cox, *Supt.*, John Burns, *Mast. Car Rep.*—GENERAL OFFICE, 2,501 Kensington Ave., Philadelphia, Pa.

Germantown Passenger Ry. Co. owns 32.13 miles of road. *Directors*, Wm. Dulles Wm. H. Shelmerdine, Robert N. Carson, Meyer Siedenbach, Clarence B. Moore, Howard A. Stevenson, Philadelphia, Pa.—Craig D. Ritchie, *Pres.*, Lewis S. Renshaw, *Sec. &*

Treas.—GENERAL OFFICE, 1001 Chestnut St., Philadelphia, Pa.

Green and Coates Streets Philadelphia Passenger Ry. Co. owns 7 miles of road, which is leased to the People's Passenger Railway Co. *Directors*, William Dulles, Phineas Fries, James McManes, Chas. J. Walton, Joseph Koch, Meyer Siedenbach, Clarence S. Kates, Clarence B. Moore, James F. Sullivan, Oliver Hopkinson, Alfred Horner, Mayer Troutman, Philadelphia, Pa.—Moses A. Dropsie, *Pres.*, Lewis S. Renshaw, *Sec. & Treas.*—GENERAL OFFICE, 1,001 Chestnut St, Philadelphia, Pa.

Harrisburg City Passenger Ry. Co. operates 5.2 miles of road, owns 75 horses, 26 cars and 3 other vehicles. *Directors*, Henry A. Kelker, Geo. F. Rohrer, M. Cohen, John Whitman, J. G. M. Bay, John T. Eusminger, Jacob Haennlen, David Fleming, Geo. W. Reily, Wm. R. Gorgas, Wm. K. Alricks, R. F. Kelker, Harrisburg, Pa.—Henry A. Kelker, *Pres.*, Wm. K. Alricks, *Vice-Pres.*, John T. Eusminger, *Sec.*, R. F. Kelker, *Treas.*—GENERAL OFFICE, 27 South Second St., Harrisburg, Pa.

Hestonville, Mantua and Fairmount Passenger Ry. Co. operates 10 miles of road, owns 466 horses and 75 cars. *Directors*, John Keller, Lancaster, Pa.; Levi N. Wagner, John R. Griffith, Henry Donahue, Daniel Glackin, Philadelphia, Pa.—Chas. H. Lafferty, *Pres.*, Daniel Glackin, *Vice-Pres.*, W. C. Foster, *Sec. & Treas.*—GENERAL OFFICE, 4,300 Lancaster Ave., Philadelphia, Pa.

Johnstown Passenger Ry. Co. operates 8.5 miles of road, owns 52 horses and 18 cars. *Directors*, James McMillen, Jacob Fenn, W. H. Rosensteel, Alexander Kennedy, Herman Baumer, Chas. F. Kress, Andrew Foster, Johnstown, Pa.—James McMillen, *Pres.*, B. L. Yeagley, *Sec.*, W. H. Rosensteel, Jr., *Treas.*, D. J. Duncan, *Supt.*, Johnstown, Pa.—GENERAL OFFICE, Johnstown, Pa.

Lancaster City RR. Co. operates 1.1 miles of road, owns 5 horses and 6 cars. *Directors*, B. J. McGrann, W. D. Sprecher, J. T. MacGonigle, J. S. Rengier, T. B. Cochran, S. S. High, J. H. Baumgardner, Lancaster, Pa.—W. D. Sprecher, *Pres.*, T. B. Cochran, *Sec.*, J. H. Baumgardner, *Treas.*, J. B. Long, *Gen. Man.*—GENERAL OFFICE, Lancaster, Pa.

Lancaster and Millersville RR. Co. operates 5.5 miles of road, owns 14 horses and 4 cars.—J. C. Hager, *Pres.*, Henry Shirk, *Vice-Pres.*, Chas. Dennes, *Sec. & Treas.*—GENERAL OFFICE, Lancaster, Pa.

Lehigh Avenue Passenger Ry. Co.—John Lamon, *Pres.*, Chas. A. Porter, *Sec.*, John C. Hill, *Treas.*—GENERAL OFFICE, Philadelphia, Pa.

***Lombard, Twenty-fifth and South Street Passenger Ry. Co.** operates 17.76 miles of road, owns 304 horses, 54 cars and 4 other vehicles. *Directors*, Wm. R. Wister, Robert N. Carson, Wm. H. Shelmerdine, Edward Samuel, H. A. Stevenson, Philadelphia, Pa.—John B. Parsons, *Pres.*, Francis Hazlehurst, *Sec. & Treas.*, John M. Goughen, *Gen. Supt.*—GENERAL OFFICE, 2,509 South St., Philadelphia, Pa.

People's Street Ry. Co. (Scranton) operates 9.5 miles of road, owns 68 horses and 18 cars. *Directors*, James Blair, J. C. Platt, William Connell, Wm. W. Scranton, Wm. R. Storrs, Wm. W. Winton, Geo. H. Cutlin, Scranton, Pa.; John B. Smith, Dunmore, Pa.—William Matthews, *Pres.*, Horace E. Hand, *Sec. & Treas.*, F. Pearce, *Supt.*—GENERAL OFFICE, Linden St., Scranton, Pa.

People's Park Passenger RR. Co. operates 4.8 miles of road, owns 75 horses and 10 cars. *Directors*, R. H. King, J. P. Speer, D. F. Henry, William Roseburg, Frank Rohm, R. K. Wilson, Wm. H. Graham, Jno. B. Jackson, S. Kaufman, Jno. Bissell, Wm. McCreery, Pittsburgh, Pa.; Jas. Andrews, Pittsburgh, Pa.—Wm. McCreery, *Pres.*, R. F. Ramsey, *Sec.*, Jas. Boyle, *Treas.*, Wm. J. Crozier, *Supt.*—GENERAL OFFICE, 127 Taggart St., Allegheny City, Pa.

***People's Passenger Ry. Co.** (Philadelphia) operates 45 miles of road, owns 1,153 horses and 174 cars. *Directors*, W. H. Shelmerdine, Robert N. Carson, Edward Samuel, W. Rotch Wister, John R. Baker, Jr., Philadelphia, Pa.—John B. Parsons, *Pres.*, Thos. C. Barr, *Asst. to the Pres.*, David C. Golden, *Sec. & Treas.*, Chas. W. Carr, *Aud.*, Wm Hannan, *Mast. Tr. Rep.*, Jno. Yeo, *Mast. Car Rep.*—GENERAL OFFICE, 800 Dauphin St., Philadelphia, Pa.

People's Railway Co. (Pottsville) operates 14.5 miles of road (horse line, 1 mile, steam line, 13.5 miles), owns 4 horses, 2 locomotives and 8 cars.—T. A. Reilly, *Pres.*, Wm. D. Pollard, *Pur. Agt.*, *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, Pottsville, Pa.

Perkiomen Avenue Passenger Ry. Co. operates 2.2 miles of road, owns 40 horses and 14 cars. *Directors*, William D. Althouse, Geo. W. Bard, Aaron H. Doukle, Isaac Hiester, David Keiser, Reading, Pa.; Edward T. Clymer, Temple, Pa.—Chas. Breneiser, *Pres.*, Isaac Hiester, *Sec. & Treas.*, John B. Houp, *Gen. Supt.*, Reading, Pa.

Philadelphia City Passenger Ry. Co. owns 12.42 miles of road, which is leased to the West Philadelphia Passenger Ry. Co. Included in the lease is the Philadelphia and Darby RR. Co., of which this company was lessee. Also owns 708 horses and 132 cars. *Directors*, W. S. Wilson, Chester Valley, Pa.; William Cochran, John Markoe, John M. Chestnut, Collins W. Walton, John A. Brown, Jr., Philadelphia, Pa.—W. W. Colket, *Pres.*, T. W. Pennypacker, *Sec. & Treas.*—GENERAL OFFICE, 103 Walnut Place, Philadelphia, Pa.

Philadelphia and Darby RR. Co. owns 5.05 miles of road, which is leased to Philadelphia City RR. Co., and transferred to West Philadelphia RR. Co. on lease of the P. C. RR. to that company. *Directors*, M. H. Stanton, Collins W. Walton, A. L. Bonnaffon, Wm. W. Colket, Christian W. Kunkle, Philadelphia, Pa.; Thomas U. Walker, Chester Valley, Pa.—Charles L. Borie, *Pres.*, Wm. W. Colket, *Sec. & Treas.*—GENERAL OFFICE, Philadelphia, Pa.

Philadelphia and Gray's Ferry RR. Co. operates 10.88 miles of road, owns 200 horses and 24 cars. *Directors*, J. Hicks Conrad, Richard Dale, Wm. Dulles, Oliver Hopkinson, James McManes, Thos. R. Woodhouse, Philadelphia, Pa.—Matthew Brooks, *Pres.*, J. C. Dawes, *Sec. & Treas.*, Patrick Lovett, *Gen. Supt.*—GENERAL OFFICE, Philadelphia, Pa.

***Philadelphia Traction RR. Co.** operates 109 miles of road, owns 2,550 horses and 595 cars. *Directors*, Wm. H. Kemble, P. A. B. Widener, Wm. L. Elkins, Thos. Dolan, Jas. McManes, James B. Altemus, Philadelphia, Pa.—Wm. H. Kemble, *Pres.*, P. A. B. Widener, *1st Vice-Pres.*, Wm. L. Elkins, *2d Vice-Pres.*, D. W. Dickson, *Sec. & Treas.*—GENERAL OFFICE, Forty-first and Haverford Sts., Philadelphia, Pa.

***Pittsburgh, Allegheny and Manchester RR. Co.** operates 5 miles of road, owns 278 horses and 40 cars. *Directors*, Chas. Atwell, R. C. Gray, Jos. T. Speer, Edward Gregg, O. H. Allerton, Jr., Pittsburgh, Pa.—Chas. Atwell, *Pres.*, Charles Seibert, *Sec. & Treas.*, J. C. Cotton, *Supt.*—GENERAL OFFICE, Pittsburgh, Pa.

***Pittsburgh and Birmingham RR. Co.** operates 3.38 miles of road, owns 160 horses and 23 cars *Directors*, W. W. Patrick, Wm. M. Hersh, B. Wolff, Jr., Charles J. Clark, Alexander Nimick, Pittsburgh, Pa.—W. W. Patrick, *Pres.*, C. B. Agnew, *Sec.*, John G. Holmes, *Treas.*, John De Lowry, *Gen Supt.*—GENERAL OFFICE, 30th and Carson Sts., Pittsburgh, Pa.

Pittsburgh, East Liberty and Wilkinsburgh Ry. Co.—E. J. Allen, *Pres.*—GENERAL OFFICE, Pittsburgh, Pa.

***Pittsburgh, Oakland and East Liberty RR. Co.** operates 6 miles of road, owns 185 horses and 32 cars. *Directors*, John T. Gordon, D. W. C. Bidwell, D. D. Bruce, A. W. Mellon, F. A. Mellon, R. B. Mellon, J. R. Mellon, Pittsburgh, Pa.—John T. Gordon, *Pres.*, D. W. C. Bidwell, *Treas.*—GENERAL OFFICE, Pittsburgh, Pa.

Pittsburgh Union RR. Co. operates 4.06 miles of road, owns 164 horses and 29 cars. *Directors*, James H. Sewell, R. C. Gray, Allegheny City, Pa.; Edwin Bindley, Walter P. Hansell, R. C. Wrenshall, F. M. Love, O. H. Allerton, Pittsburgh, Pa.—James H. Sewall, *Pres.*, Chas. Seibert, *Sec.*, James J. Donnell, *Treas.*—GENERAL OFFICE, Allegheny City, Pa.

Pittsburgh and West End Passenger RR. Co. operates 4.5 miles of road, owns 73 horses, 18 cars and 4 other vehicles. *Directors*, John C. Reilly, James Callery, Thos. S. Bigelow, Wm. J. Burns, Pittsburgh, Pa.—J. C. Reilly, *Pres. & Treas.*, Jas. Callery, *Vice-Pres.*, Thos. S. Bigelow, *Sec.*, Wm. J. Burns *Supt.*—GENERAL OFFICE, Pittsburgh, Pa.

Pittston RR. Co. operates 1.75 miles of road, owns 6 horses and 1 car. *Directors*, Isaac Everitt, M. W. Morris, Geo. B. Everitt, James L. Morris, Pittston, Pa.; E. W. Mulligan, E. L. Mulligan, Wilkesbarre, Pa. —Isaac Everitt, *Pres.*, E. W. Mulligan, *Sec.*, M. W. Morris, *Treas.*, Isaac Everitt, *Gen. Man. & Supt.*—GENERAL OFFICE, Pittston, Pa.

***Reading City RR. Co.** operates 4.5 miles of road, owns 90 horses, 25 cars and 3 other vehicles. *Directors*, H. A. Muhlenberg, Benj. F. Owen, Jas. L. Douglas, Chas. H. Scheaffer, Albert Thalsheimer, Matthew Harbster, Reading, Pa.—Benjamin F. Owen, *Pres.*, James L. Douglas, *Vice-Pres.*, H. A. Muhlenberg, *Sec. & Treas.*, John A. Rigg, *Gen. Supt.*—GENERAL OFFICE, Reading, Pa.

***Ridge Avenue RR. Co.** operates 16 miles of road, owns 347 horses and 61 cars. *Directors*, Wm. S. Grant, Wm. T. Carter, John Lambert, Henry Norris, R. A. F. Penrose, Philadelphia, Pa.—E. B. Edwards, *Pres.*, Wm. S. Bilight, *Sec. & Treas.*, Wm. Myers, *Gen. Supt.*—GENERAL OFFICE, Thirty-second St. and Ridge Ave., Philadelphia, Pa.

Sayre Street Ry. Co. operates 4 miles.—Howard Elmera, *Pres.*, Wm. Stevenson, *Treas.*—GENERAL OFFICE, Sayre, Pa.

Schuylkill River RR. Co. operates 3.11 miles of road. *Directors*, Matthew Brooks, J. Hicks Conrad, Wm. P. Chandler, Joseph Hopkinson, Thomas R Woodhouse, Samuel W. Woodhouse, Philadelphia, Pa.—Oliver Hopkinson, *Pres.*, J. Crawford Dawes, *Sec.*—GENERAL OFFICE, Thirty-sixth St. and Gray's Ferry Road, Philadelphia, Pa.

Second Avenue RR. Co. (Pittsburgh) operates 3.25 miles of road, owns 63 horses and 5 cars. *Directors*, Geo. Fawcett, Jas. F. Fawcett, W. J. Fawcett, Geo. W. Fawcett, W. H. Collingwood, Pittsburgh, Pa.—Geo. Fawcett, *Pres.*, Jas. F. Fawcett, *Sec.*, W. J. Fawcett, *Treas.*, James F. Fawcett, *Gen. Supt.*—GENERAL OFFICE, Pittsburgh, Pa.

***Second and Third Streets Passenger Ry. Co.** (Philadelphia) operates 41 miles of road, owns 675 horses and 116 cars. *Directors*, Wm. Anspoch, Andrew J. Holman, Wm. Eisenberg, M. H. Stanton, Edwin T. Eisenberg, Jas. Simpson, Alexander L. Crawford, Jas. R. Whitaker, Jas. A. Freeman Horace T. Potts, Geo. Hoff, Wm. Dulles, Philadelphia, Pa.—Alexander M. Fox, *Pres.*, Chas. D. Matlack, *Sec.*, Wm. F. Miller, *Treas.*, Geo. W. Thorn, *Solicitor*, David W. Stephens, *Gen. Supt.*—GENERAL OFFICE, 2,653 Frankfort Ave., Philadelphia, Pa.

Seventeenth and Nineteenth Streets RR. Co. owns 7.5 miles of road, which is leased to Philadelphia Traction. *Directors*, John L. Hill, Samuel Daniels, Geo D Widener, Wm. L. Elkins, Jr., Philadelphia, Pa.; Geo. W. Elkins, Pittsburgh, Pa.—Matthew S. Quay, *Pres.*, John B. Peddle, *Sec. & Treas.* —GENERAL OFFICE, Twenty-third and Brown Sts., Philadelphia, Pa.

Stroudsburg Passenger Ry. Co. operates 1.38 miles of road, owns 10 horses and 3 cars. *Directors*, Jackson Lantz, P. S. Pasten, Simpson Fetherman, Jacob Hauser, Stroudsburg, Pa. — Jackson Lantz, *Pres. & Treas.*, Jacob Hauser, *Sec.*—GENERAL OFFICE, Stroudsburg, Pa.

South Side Passenger RR. Co. (Pittsburgh) operates 2.5 miles of road, owns 80 horses and 13 cars. *Directors*, D. Z Brickell, W. T. Wallace, Thos. C. Lazier, William Brickell, Geo. B. Hill, A. Lippman, Pittsburgh, Pa.; James S. Alexander, Monongahela City, Pa.—D. Z. Brickell, *Pres.*, W. T. Wallace, *Sec. & Treas.*, W. M. Rosborough, *Gen. Supt.*—GENERAL OFFICE, 2,136 Sarah St, Pittsburgh, Pa.

***Thirteenth and Fifteenth Streets RR. Co.** operates 14 miles of road, owns 507 horses, 78 cars, and 5 sweepers. *Directors*, Robert Cresswell, Geo. W. Hall, B. S. Kunkel, W. S. Warner, John C. Bingham, Philadelphia, Pa.—Thomas W. Ackley, *Pres.*, Thomas S. Harris, *Sec. & Treas.*, Wm. P. Cooper, *Gen. Supt. & P. A.*, W. H. Flood, *Mast. Tr. Rep.*, M. C. King, *Mast. Car Rep.*—GENERAL OFFICE, Fifteenth and Cumberland Sts., Philadelphia, Pa.

Transverse RR. Co. operates 6.36 miles of road, owns 243 horses and 39 cars. *Directors*, C. L. Magee, Joshua Rhodes, C. F. Klopfer, Wilson McCandless, A. F. Keating, Pittsburgh, Pa.—C. L. Magee, *Pres.*, C. F. Klopfer, *Vice-Pres.*, William R. Ford, *Sec. & Treas.*, M. Elliott, *Gen. Supt.*—GENERAL OFFICE, Pittsburgh, Pa.

***Union RR. Co.** (Philadelphia) operates 70 miles of road. *Directors*, P. A. B. Widener, James McManes, Wm. L. Elkins, Henry Bumm, Wm. S. Stokely, M. S Quay, Philadelphia, Pa.—Wm. H. Kemble, *Pres.*, P. A. B. Widener, *Vice-Pres.*, John B. Peddle, *Sec. & Treas.*, Jacob C. Petty, *Gen. Supt.*—GENERAL OFFICE, Twenty-third and Brown Sts, Philadelphia, Pa.

West Philadelphia RR. Co. operates 21.50 miles of road and leases 17.5 miles. *Directors*, P. A. B. Widener, Wm. H. Kemble, W. L. Elkins, Jos. E. Gillingham, Geo. D. Widener, Thomas Dolan, Thos. J. Yarrow, Jos. B. Altemus, Philadelphia, Pa.—P. A. B. Widener, *Pres.*, D. W. Dickson, *Sec. & Treas.*, Jas. T. Gorman, *Gen. Supt.*—GENERAL OFFICE, Forty-first and Haverford Sts., Philadelphia, Pa.

Wilkesbarre and Ashley Passenger RR. Co. See Coalville RR. Co. for officers and directors.

***Wilkesbarre and Kingston RR. Co.** operates 2.5 miles of road, owns 16 horses and 4 cars. *Directors*, W. J. Harvey, H. H. Harvey, E. P. Darling, R. J. Flick, Wilkesbarre, Pa.; J. B. Smith, Kingston, Pa.—W. J. Harvey, *Pres. & Gen. Supt.*, A. J. Davis, *Sec. & Treas.*—GENERAL OFFICE, Wilkesbarre, Pa.

Williamsport RR. Co. operates 2.15 miles of road, owns 28 horses and 9 cars. *Directors*, Robert P. Allen, H. C. Parsons, R. J. C. Walker, James M. Gamble, Williamsport, Pa.—Robert P. Allen, *Pres.*, Henry C. Parsons, *Vice-Pres.*, R. J. C. Walker, *Treas.*, James M. Gamble, *Sec.*, Wm. Hains, *Supt.*—GENERAL OFFICE, Williamsport, Pa.

York Street Ry. Co. operates 3 miles of road, owns 30 horses and 7 cars.—W. H. Lanius, *Pres.*, C. S. Weiser, *Treas.*, D. K. Trimmer, *Sec.*—GENERAL OFFICE, York, Pa.

STATE OF RHODE ISLAND.

***Pawtucket Street Ry. Co.** operates 8 miles of road.—A. B. Chase, *Pres.*, D. F. Longstreet, *Vice-Pres. & Gen. Man.*, E. N. Littlefield, *Treas.*, B. A. Jackson, *Sec.*—GENERAL OFFICE, Pawtucket, R. I.

***Union RR. Co.** operates 58.855 miles of road, owns 1,350 horses and 272 cars. *Directors*, Jesse Metcalf, D. F. Longstreet, B. A. Jackson, Wm. H. Hopkins, Chas. D. Owen, Lucian Sharpe, S. O. Metcalf, Providence, R. I.—Jesse Metcalf, *Pres.*, D. F. Longstreet, *Vice-Pres. & Gen. Man.*, C. A. Babcock, *Sec. & Treas.*, A. T. Potter, *Mast. Tr. Rep.*, Geo. O Kane, *Mast. Car Rep.*—GENERAL OFFICE, Providence, R. I.

STATE OF SOUTH CAROLINA.

Charleston City Railway Co. operates 8.25 (double track, 8, and branch, .25) miles of road, owns 115 horses, 1 mule, 32 cars and 3 other vehicles. *Directors*, Wm. Aiken, John S. Riggs, Andrew Simonds, Henry Burst, H. H. De Leon, F. I. Pelzer, George W. Williams, I. L. Tobias, Charleston, S. C.—John S. Riggs, *Pres. & Pur. Agt.*, Evan Edwards, *Sec. & Treas.*, Frank F. Whilden, *Asst. Sec. & Treas.*, John H. Mohlenhoff, *Supt.*—GENERAL OFFICE, 4 Broad St., Charleston, S. C.

Enterprise Street RR. Co. operates 13.5 miles of road, owns 36 horses, 14 mules, 10 passenger cars and 21 freight cars.—*Directors*, C. S. Gadsderd, Thos. Frost, C. C. Olney, I. C. Mallonee, S. S. Solomon, S. B. Pickens, A. Canale, Charleston, S. C.; B. F. Newcomer, Baltimore, Md.—A. F. Ravenel, *Pres.*, W. E. Hayne, *Sec & Treas.*, J. W. Passailaigne, *Supt.*—GENERAL OFFICE, Charleston, S. C.

Middle Street and Sullivan's Island RR. Co. operates 2.25 miles of road, owns 15 horses and 7 cars.—B. Callaghan, *Pres.*, F. F. Whilden, *Sec. & Treas.*, B. Buckley, *Supt.*—GENERAL OFFICE, 4 Broad St., Charleston, S. C.

STATE OF TENNESSEE.

City Street RR. Co. operates 11 miles of road, owns 127 mules and 27 cars.—J. H. Warner, *Pres. & Treas.*, T. N. Van Dyke, *Asst. Treas.*, C. R. Gaskill, *Sec.*, Geo. Stubblefield, *Supt.*—GENERAL OFFICE, Chattanooga, Tenn.

***Citizen's Street Ry. Co. of Shelby County** operates 35 miles of road, owns 555 horses, 142 cars and 21 other vehicles. *Directors*, Napoleon Hill, Thomas

Barrett, R Dudley Frayser, J. T. Frost, James Frost, McC. Pearce George Arnold, R. B. Snowden, J. C. Neely, Memphis, Tenn.—N. Hill, *Pres.*, Thomas Barrett, *Vice-Pres. & Gen. Man*, R. Semmes, *Asst. Man.*, S. P. Read. Jr., *Treas.*, R. D. Frayser, *Sec.*—GENERAL OFFICE, 474 Main St., Memphis, Tenn.

Fatherland Street Railway Co. operates 1.5 miles of road, owns 40 mules and 8 cars.—J. S. Bransford, *Pres.*, Percy Kinnaird, *Sec.*, John T. Voss, *Treas.*—GENERAL OFFICE, Nashville, Tenn.

Jackson Street Ry. Co.—H. W. Corry, Jackson, Tenn.

***Knoxville Street RR. Co.** operates 2.6 miles of road, also hack lines 1.25 miles, owns 27 horses, 5 cars and 1 hack. *Directors*, W. W. Woodruff, E. J. Sanford, Geo. W. Ross, M. L. Ross, W. P. Chamberlain, E. J. Ross, E. C. Locke, Knoxville, Tenn.—W. P. Chamberlain, *Pres.*. T. L. Beaman, *Sec.*, *Treas.*, *etc.*—GENERAL OFFICE, 336 Broad St., Knoxville, Tenn.

Mabry Bell Avenue and Hardee Street Railway Co. operates 4.25 miles of road, owns 30 horses 4 cars and 2 other vehicles. *Directors*, R. N. Hood, M. E. Thompson, William Epps, James O'Connor, B. L. Smith, H. C. Bandeevout, R. H. Edington, E. E. McCroskey, Jos. Meek, Matthew McClung, B. L. Smith, Knoxville, Tenn.—R. N. Hood, *Pres.*, B. L. Smith, *Sec. & Treas.*, R. H. Edington, *Vice-Pres.*, M. E. Thompson, *Supt.*, B. L. Smith, *Pur. Agt.*, M. E. Thompson, *Mast. Tr. & Car Rep.*—GENERAL OFFICE, Knoxville, Tenn.

Market Square Street RR. Co.—J. S. Van Gilder, *Pres.*, W. H. Simonds, *Treas.*, W. B. Henderson, *Sec.*, L. O. Rogers, *Supt.*—GENERAL OFFICE, 148 Gay St., Knoxville, Tenn.

***Memphis City RR. Co.** See Citizen's St. Ry. Co. of Shelby County.

McGavock and Mt. Vernon Horse RR. Co. operates 7.5 miles of road, owns 124 mules and 24 cars.—John P. White, *Pres.*, Ben. F. Wilson, *Vice-Pres.*, H. B. Stubblefield, *Sec. & Treas.*, D. Deaderick, *Supt. & P. A.*, James Barnes, *Mast. Car Rep.*—GENERAL OFFICE, Nashville, Tenn.

Nashville and Edgefield Street RR. Co. operates 1.75 miles of road, owns 49 mules and 8 cars.—J. S. Bransford, *Pres.*, Percy Kinnaird, *Sec.*, John T. Voss, *Treas.*—GENERAL OFFICE, Nashville, Tenn.

North Edgefield and Nashville RR. Co. operates 1.5 miles of road, owns 26 mules and 5 cars.—J. S. Bransford, *Pres.*, Percy Kinnaird, *Sec.*, John T. Voss, *Treas.*—GENERAL OFFICE, Nashville, Tenn.

Nashville, D. and N. Street RR. Co. operates 1.5 miles of road, owns 15 mules and 3 cars.—James B. McFerrin, *Pres.*, A. S. Williams, *Sec.*, Jas. Yarbough, *Treas.*, T. R. Donahue, *Supt.*—GENERAL OFFICE, Nashville, Tenn.

South Nashville Street RR. Co. operates 4.75 miles of road, owns 84 mules and 14 cars. *Directors*, W. M. Duncan, S. L. Demoville, Edgar Jones, D. F. Wilkin, John Whorley, S. J. Keith, John F. Fletcher, Nashville, Tenn.—W. M. Duncan, *Pres.*, C. L. Fuller, *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, Franklin, cor. Cherry St., Nashville, Tenn.

STATE OF TEXAS.

Austin Street Railway Co. operates 7 miles of road, owns 12 horses, 110 mules and 14 cars.—Wm. H. Tobin, *Pres. & Treas.*, Geo. A. Proctor, *Sec.*, *Pur. Agt. & Supt.*—GENERAL OFFICE, Austin, Tex.

Brenham Street Railway Co. operates 2 miles of road, owns 18 mules and 3 cars.—T. J. Pampell, *Pres.*, J. A. Randle, *Sec.*, D C. Giddings, *Treas.*, E. B. Randle, *Supt.*—GENERAL OFFICE, Brenham, Tex.

Commerce and Ervay Street RR. Co. operates 1.5 miles of road, owns 24 mules and 5 cars.—A. C. Ardrey, *Pres.*, H. W. Keller, *Sec.*, *Treas.*, *P. A.*, *etc.*—GENERAL OFFICE, 1,103 Ervay St., Dallas, Tex.

Dallas Street RR. Co. operates 4.25 miles of road, owns 74 mules and 13 cars.—W. J. Keller, *Pres.*, Harry Keller, *Sec.*, C. E. Keller, *Supt.*—GENERAL OFFICE, Dallas, Tex.

Denison Street Railway Co. operates 3.25 miles of road, owns 25 mules and 7 cars.—C. A. Walterhouse, *Pres.*, J. J. Campbell, *Supt. & P. A.*—GENERAL OFFICE, Denison, Tex.

El Paso Street Railway Co. operates 6 miles of road, owns 40 mules and 18 cars.—J. F. Crosby, *Pres.*, B. H. Davis, *Vice-Pres.*, H. W. Marks, *Sec.*, C. R. Morehead, *Treas.*, H. W. Marks, *Supt.*—GENERAL OFFICE, Seventh St., El Paso, Tex.

Fort Worth Street Railway Co. operates 7.5 miles of road, owns 73 mules and 16 cars. *Directors*, K. M. Van Zandt, W. A. Huffman, Morgan Jones, J. P. Smith, T. A. Tidwell, Fort Worth, Tex.—K. M. Van Zandt, *Pres.*, Morgan Jones, *Vice-Pres.*, J. P. Smith, *Sec.*, W. A. Huffman, *Treas.*, S. Mims, *Supt. & P. A.*, Tom Traynor, *Mast. Tr. Rep.*—GENERAL OFFICE, Fort Worth, Tex.

***Galveston City RR. Co.** operates 18 miles of road, owns 176 mules and 67 cars. *Directors*, Wm. H. Sinclair, A. J. Walker, J. Runge, H. Marwitz, S. Heidenheimer, A. R. Campbell, R. L. Fulton, Galveston, Tex, Wm. H. Sinclair, *Pres. & Pur. Agt.*, F. J. De Merritt, *Sec. & Treas.*, M. J. Keenan, *Supt.*, *Mast. Car and Tr. Rep.*—GENERAL OFFICE, Galveston, Tex.

Houston City Street Ry. Co. operates 14.2 miles of road, owns 116 mules and 40 cars. *Directors*, Wm. H. Sinclair, J. Aiken, Galveston, Tex; H. F. MacGregor, J. Waldo, E. P. Hill, S K. McIlhenny, B. F. Weems, Houston, Tex.—Wm. H. Sinclair, *Pres.*, H. F. McGregor, *Vice-Pres.*, E. H. Bailey, *Sec. & Treas.*, H. Freund, *Supt.*—GENERAL OFFICE, 90 Travis St., Houston, Tex.

Lampasas Street Railway and Transportation Co. operates 3 miles of road, owns 12 horses and 3 cars.—Geo. M. Snodgrass, *Pres. & Treas.*, J. W. Gary, *Sec.*, W. B. Mudd, *Supt.*—GENERAL OFFICE, Lampasas Springs, Tex.

Longview and Junction Street Railway Co. operates 0.88 miles of road, owns 4 mules and 2 cars.—F. T. Rembert, *Pres.*, F. L. Whaley, *Treas.*, R. B. Levy, *Sec.*, C. H. Booth, *Gen. Supt.*—GENERAL OFFICE, 313 Tyler St., Longview, Tex.

Marshall Street Ry. Co. operates 1 mile of road, owns 18 horses, 2 cars and 8 other vehicles.—E. J. Fry, *Pres.*, Chas. Cobb, Jr., *Sec. & Treas.*, A. C. Hynson, *Gen. Supt.*—GENERAL OFFICE, Marshall, Tex.

Paris Street Railway Co. operates 1.5 miles of road, owns 15 mules, 2 passenger and 4 freight cars.—J. M. Daniel, *Pres.*, D. F. Latimar, *Treas.*, Geo. M. Daniel, *Sec. & P. A.*, C. E. Thorn, *Supt. & Mast. Car Rep.*—GENERAL OFFICE, Paris, Tex.

Prospect Hill Street Railway Co. operates 1 mile of road, owns 3 horses and 1 car.—Sam Maverick, *Pres.*, P. J. Moss, *Vice-Pres. & P. A.*, D. Oppenheimer, *Treas.*, L. Garza, *Sec.*—GENERAL OFFICE, 210 Main Plaza, San Antonio, Tex.

***San Antonio Street Railway Co.** operates 15 miles of road, owns 135 mules and 38 cars. *Directors*, A. Belknap, F. L. Talcott, James P. Newcomb, John Robb, San Antonio, Tex.; F. W. Pickard, New York, N. Y.—A. Belknap, *Pres.*, F. W. Pickard, *Vice-Pres.*, E. R. Norton, *Sec.*, John Withers, *Treas.*, John Robb, *Supt.*, John Bety, *Mast. Tr. Rep.*, W. E. Davis, *Mast. Car Rep.*—GENERAL OFFICE, San Antonio, Tex.

Sherman City Street Railway Co. operates 4 miles of road, owns 32 mules, 5 horses and 9 cars. *Directors*, C. W. Batsell, J. M. Batsell, C. W. Batsell, Jr., Sherman, Tex.—C. W. Batsell, *Pres.*, *P. A. etc.*, C. W. Batsell, Jr., *Sec. & Treas.*, J. M. Batsell, *Supt.*—GENERAL OFFICE, Sherman, Tex.

Waco Street Railway Co. operates 5 miles of road, owns 46 horses and 9 cars. *Directors*, Ed. Rotan, W. R. Kellum, J. C. Walker, W. V. Fort, F. W. Fort, Waco, Tex.—Ed. Rotan, *Pres.*, W. V. Fort, *Vice-Pres.*, W. R. Kellum, *Sec. & Treas.*, J. W. Sedberry, *Supt.*—GENERAL OFFICE, 178 North Fourth St., Waco, Tex.

TERRITORY OF UTAH.

Ogden City Railway Co. operates 3 miles of road, owns 121 mules and 40 cars.—L. W. Shwitleff, *Pres.*, H. S. Young, *Sec. & Treas.*, O. P. Arnold, *Supt.*—GENERAL OFFICE, Ogden, Utah.

***Salt Lake City RR. Co.** operates 10 miles of road, owns 90 horses and 30 cars.—John Taylor, *Pres.*, David McKenzie, *Sec.*, James Jack, *Treas.*, Orson P. Arnold, *Supt.*—GENERAL OFFICE, Salt Lake City, Utah.

STATE OF VERMONT.

Rutland Street Railway Co. operates 6.75 miles of road, owns 24 horses and 8 cars. *Directors*,

Michael Quinn, John W. Cranston, Michael McKeoyn, Albert H. Tuttle, George H. Cheney, Thomas G. Lyon, James C. Dunn, Rutland, Vt.—Michael Quinn, *Pres.*, John Woodbin, *Sec.*, Albert H. Tuttle, *Treas.*, Michael McKeoyn, *Supt.*—GENERAL OFFICE, Rutland, Vt.

Winooski and Burlington Street Ry. Co. operates 3 miles of road (opened November 13th, 1885), owns 20 horses and 9 cars. *Directors*, U. A. Woodbury, J. D. Hatch, K. B. Walker, George W. Wales F. C. Kennedy, Burlington, Vt.—U. A. Woodbury, *Pres. & P. A.*, J. D. Hatch, *Vice-Pres.*, Geo. W. Wales, *Sec.*, L. E. Woodhouse, *Treas.*, K. B. Walker, *Supt.*, *etc.*—GENERAL OFFICE, Burlington, Vt.

STATE OF VIRGINIA.

Lynchburg Street Ry. Co. operates 3.75 miles of road, owns 20 mules, 16 horses and 7 cars. *Directors*, C. V. Winfree, J. B. Shaner, L. L. Armistead, J. W. Dickerson, Jno. A. Lee, E. C. Hamner, Jno. D. Holt, W. S. Adams, Stephen Adams, Lynchburg, Va.—Stephen Adams, *Pres.*, *Sec. & Treas.*, Wm. M. Payne, *Supt.*, *etc.*—GENERAL OFFICE, 811 Main St., Lynchburg, Va.

Manchester Street Ry. Co. operates 2.5 miles of road.—Jno. E. Taylor, *Pres.*, E. B. Mead, *Sec. & Treas.*, B. R. Selden, *Supt.*—GENERAL OFFICE, 1,115 Maine St., Richmond, Va.

***Norfolk City RR. Co.** operates 3.25 miles of road, owns 70 horses and 20 cars. *Directors*, Jno. B. Whitehead, Alfred P. Thom, Washington Taylor, Charles Sharp, Parke L. Poindexter, H. C. Whitehead, Norfolk, Va.; Wm. A. Boykin, Baltimore, Md.—Jno. B. Whitehead, *Pres.*, H. C. Whitehead, *Sec. & Treas.*, E. W. Savage, *Supt.*—GENERAL OFFICE, 540 Church St., Norfolk, Va.

Petersburg Street Railway Co. operates 3.5 miles of road, owns 40 mules, 6 horses and 9 cars.—Geo. Beadle, *Prop.*, Petersburg, Va.

***Richmond City Ry. Co.** operates 7.5 miles of road, owns 185 horses and 40 cars.—*Directors*, David N. Walker, M. T. Clarke, W. H. Haxall, Thos. Peyton.—J. L. Schoolcraft, *Pres.*, Walter Kidd, *Sec. & Treas.*, Charles Selden, *Supt. & P. A.*, A. W. Pierce, *Mast. Car Rep.*—GENERAL OFFICE, Richmond, Va.

WASHINGTON TERRITORY.

Seattle Street Ry. Co. operates 4.25 miles of road, owns 20 horses and 6 cars.—F. H. Osgood, *Pres.*, Geo. Kinnear, *Sec.*—GENERAL OFFICE, Seattle, Wash. Terr.

STATE OF WEST VIRGINIA.

Citizen's Railway Co. operates 4.75 miles of road, owns 55 horses and 15 cars.—C. A. Wingerter, *Pres.*, Van B. Hall, *Sec.*, M. Loftus, *Supt.*—GENERAL OFFICE, Wheeling, W. Va.

Wheeling and Elm Grove RR. Co. operates 8 miles of road, owns 4 steam motors and 18 cars. *Directors*, A. Reymann, M. Reilly, J. D. Du Bois, F. Happy, R. A. McCabe, Wheeling, W. Va.—J. D. Du Bois, *Pres.*, E. J. Rutter, *Sec. & Treas.*, C. Hirsch, *Supt.*, A. Palmer, *Mast. Tr. Rep.*, H. Bowers, *Mast. Car Rep.*—GENERAL OFFICE, Wheeling, W. Va.

STATE OF WISCONSIN.

Appleton Electric Street Railway Co. operates 3.5 miles of road, owns 1.60 horse-power engine and 5 cars.—J. E. Harriman, *Pres.*, Joseph Koffend, *Treas.*, T. W. Orbison, *Sec.*—GENERAL OFFICE, Appleton, Wis.

Ashland Street Ry. Co. To be built this spring.—OFFICE, Ashland, Wis.

***Belle City Street Railway Co.** operates 4 miles of road, owns 40 horses and 9 cars. *Directors*, John T. Fish, Milwaukee, Wis.; Geo. B. Hathaway, J. E. Dodge, Racine, Wis.; Chas. Hathaway, Cleveland, O.—John T. Fish, *Pres.*, J. E. Dodge, *Sec. & Treas.*, Chas. Hathaway, *P. A. & Gen. Man.*, Geo. B. Hathaway, *Supt. & Mast. Car Rep.*—GENERAL OFFICE, 311 Sixth St., Racine, Wis.

***Cream City RR.** operates 8.17 miles of road, owns 286 mules, 3 horses and 64 cars.—Winfield Smith, *Pres.*, Wm Damkaehler, *Sec.*, F. Kuehn, *Treas.*, Henry Berg, *Supt.*—GENERAL OFFICE, 440 East Water St., Milwaukee, Wis.

Eau Claire City Ry. Co. operates 4.5 miles of road, owns 45 horses and 7 cars.—F. W. Woodward, *Pres.*, J. S. Bradstreet *Vice Pres.*, George B. Shaw, *Sec.*, George Copp, *Supt.*—GENERAL OFFICE, Eau Claire, Wis.

La Crosse City Railway Co. operates 5 miles of road, owns 68 horses and 18 cars. *Directors*, B. E. Edwards, Geo. F. Gund, W. W. Cargill, La Crosse, Wis.—B. E. Edwards, *Pres.*, Geo. F. Gund, *Vice-Pres.*, Jas. T. Daggett, *Sec.*, Fred. Tillman, *Treas.*, Peter Valier, *Supt. N. Div.*, Geo. F. Smith. *Supt. So. Div.*—GENERAL OFFICE, 222 Main St., La Crosse, Wis.

La Crosse Street Railway Co. Succeeded by the La Crosse City Ry. Co.

Madison Street RR. Co. operates 2 miles of road, owns 20 mules, 4 horses and 6 cars, only 3 of which are used. *Directors*, D. K. Tenney, R. M. Bashford, Chicago, Ill.; B. W. Jones, Andrew Kentzler, E. W. Keyes, Madison, Wis.—E. W. Keyes, *Pres.*, D. K. Tenney, *Vice-Pres.*, B. W. Jones, *Sec. & Treas.*, Andrew R. Kentzler, *Supt.*—GENERAL OFFICE, Madison, Wis.

***Milwaukee City RR. Co.** operates 30 miles of road, owns 406 horses and 72 cars.—*Directors*, Peter McGeoch, Alex. Mitchell, John Johnston, John L. Mitchell, Geo. O. Wheatcroft, Milwaukee, Wis.—Peter McGeoch, *Pres.*, Geo. O. Wheatcroft, *Sec. & Treas.*, Geo. Kemmerlien, *Supt.*—GENERAL OFFICE, Milwaukee, Wis.

Oshkosh Street Railway Co. operates 3.5 miles of road, owns 25 horses and 8 cars.—Thos. Wall, *Pres.*, F. Zentner, *Vice-Pres.*, J. Y. Hull, *Sec. & Treas.*, L. F. Thompson, *Supt.*—GENERAL OFFICE, Oshkosh, Wis.

Waukesha Street Ry. Co. projected.—James K. Anderson, *Pres.*, T. W. Haight, *Sec. & Treas.*—GENERAL OFFICE, Waukesha, Wis.

West Side Street RR. Co.—Washington Becker, *Prop. & Man.*—GENERAL OFFICE, Milwaukee, Wis.

DOMINION OF CANADA.

Belleville Street RR. Co. operates 2 miles of road, owns 12 horses, 5 cars and 5 other vehicles. *Directors*, Jas. St. Charles, R. D. Conger. Horace Yeomans, A. G. Northup, Belleville, Ont; W. H. Austin, Trenton, Ont.—David Lockwood, *Pres.*, S. A. Lockwood, *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, Belleville, Ont.

Brantford Street Railway Co. operates 4 miles of road, owns 20 horses and 6 cars.—D. A. Flack, *Pres.*, R. A. Pringle, *Vice-Pres.*, C. H. Flack, *Sec. & Treas.*, Geo. B. Wells, *Pur. Agt.*—GENERAL OFFICE, Brantford, Ont.

Kingston Street Ry. Co. operates 4 miles of road, owns 28 horses and 8 cars.—Robert Carson, *Pres.*, M. Sergant, *Sec. & Treas.*, W. Wilson, *Man. & P. A.*, M. Barnes, *Mast. Car Rep.*—GENERAL OFFICE, Kingston, Ont.

***London Street Ry. Co.** operates 6 miles of road, owns 40 horses, 14 cars and 11 other vehicles. *Directors*, V. Cronyn, T. H. Smallman, W. Bowman, W. Saunders, H. B. Conyn, London, Ont.—V. Cronyn, *Pres.*, Chas. Currie, *Treas.*, Jas. H. Flock, *Sec.*, Henry T. Smith, *Supt.*—GENERAL OFFICE, Richmond St., London, Ont.

***Montreal City Passenger Railway Co.** operates 22 miles of road, owns 461 horses, 72 cars, 40 omnibuses and 71 sleighs.—Jesse Joseph, *Pres.*, W. H. Hingston, *Vice-Pres.*, Ed. Lusher, *Sec. & Treas.*, T. H. Robillard, *Supt.*—GENERAL OFFICE, Montreal, Can.

***Ottawa City Passenger RR. Co.** operates 3 miles of road, owns 42 horses and 9 cars. *Directors*, Thos. C. Keefer, Robt. Blackburn, W. G. Perley, Chas. C. Bate, M. McNaughton, James Rochester, E. H. Brouson, Ottawa, Ont.—T. C. Keefer, *Pres.*, Robert Blackburn, *Vice-Pres.*, James D. Fraser, *Sec.*—GENERAL OFFICE, Ottawa, Ont.

Quebec Street Railway Co. operates 3 miles of road, owns 45 horses, 9 cars, 7 sleighs, and 5 other vehicles. *Directors*, Charles St. Michel, Geo. R. Renfrew, Henry O'Connor, Gaspard Le Moine, John C. Thomson, Wm. Hossack, Felix Tessier, Quebec, Que.—Charles St. Michel, *Pres.*, Geo. R. Renfrew, *Vice-Pres.*, Samuel Moore, *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, St. Joseph St., St. Sauveur, Que.

St. John Street Railway Co. operates 1.33 miles of road, owns 23 horses, 4 cars and 3 omnibuses. —W. A. Griffiths, *Pres.*, G. G. Stuart, *Vice-Pres.*, W. W. Martin, *Sec. & Man.*—GENERAL OFFICE, Quebec, Que.

Sandwich and Windsor Ry. Co.—Henry Kennedy, *Pres.*—GENERAL OFFICE, Windsor, Can.

Sarnia Street Ry. Co.—J. F. Lister, *Pres.*, Thos. Symington, *Sec. & Treas.*, H. W. Mills, *Supt.*—GENERAL OFFICE, Sarnia, Ont.

St. Catharines, Merriton and Thorold Ry. Co. operates 5.88 miles of road, owns 31 horses, 7 cars and 4 other vehicles. *Directors*, E. A. Smyth, L. R. Smyth, St. Catharines, Ont.; V. E. Fuller, Hamilton, Ont.—E. A. Smyth, *Pres. & Supt.*, V. E. Fuller, *Vice-Pres.*, A. P. Friesman, *Sec. & Treas.*, Samuel Sproatt, *Mast. Car Rep.*—GENERAL OFFICE, St. Catharines, Ont.

***Toronto Street RR. Co.** operates 37 miles of road, owns 675 horses and 136 cars.—Frank Smith, *Pres.*, James Gunn, *Sec.*, J. J. Franklin, *Supt.*—GENERAL OFFICE, Toronto, Ont.

Windsor Electric Street Ry. Co. operates 1.5 miles of road, owns Van Depoele motor, 20 horse-power engine and 2 cars.—W. M. Boomer, *Pres.*, A. H. Joseph, *Treas. & Sec.*, W. C. Turner, *Supt.*, T. C. Ponting, *Man.*—GENERAL OFFICE, Windsor, Ont.

Winnipeg Street Ry. Co. operates 5 miles of road, owns 100 horses, 15 cars and 15 sleighs. *Directors*, James Austin, E. B. Osler, Toronto, Ont.; A. W. Austin, R. J. Whitla, H. Archibald, Geo. A. Young, M. R. Austin, Winnipeg, Man.—James Austin, *Pres.*, E. B. Osler, *Vice-Pres.*, Albert W. Austin, *Sec.*, *Treas. & P. A.*, G. A. Young, *Supt.*—GENERAL OFFICE, Winnipeg, Man.

* Indicates membership in American Street Railway Association.

JOHN A. EMERICK, President. Edward H. JOHNSTON, General Manager.
SAMUEL LEES, Treasurer.

JOHNSTON
Railroad Frog and Switch Co.,

MANUFACTURERS OF

RAILWAY SWITCHES, STANDS, FROGS AND CROSSINGS.

ALL SUPPLIES FURNISHED APPERTAINING TO

Steam and Street Railways.

Civil and Mechanical Engineers, Machinists and Contractors.

Blue Prints and Bills Furnished on Application. CORRESPONDENCE SOLICITED.

Works, Chester, Pa.

Office, 307 Walnut St., Philadelphia.

LUMBER AND LOGGING RAILROADS OF THE UNITED STATES.

(10) List of the Officers or Owners of the Private Lumber, Logging and Mining Railroads of the United States, with Mileage of Road, Equipment, etc.

Alabama Grand Trunk RR. Owned by Alabama Lumber and Naval Stores Co.; 12 miles; gauge, 4 ft. 9 in.; rail (iron), 16 lbs.; locomotive, 1; cars, 10; located in Washington Co., Ala.; P. O. address, Mobile, Ala.

Albion Lumber Co., Chicago. Owners of 3 miles of railroad; gauge, 3 ft.; rail (iron), 45 lbs.; locomotive, 1; cars, 15; located in Muhlenberg Co., Ky.; P. O. address, Ricedale, Ky.

Albion River RR. Owned by Hy. Wetherbee; 3 miles; gauge, 4 ft. 8½ in.; rail (steel), 35 lbs., also wood and iron; locomotive, 1; cars, 24; located in Mendocino Co., Cal.; P. O. address, Albion, Cal.

Alderman, D. W. Owner of 6 miles of railroad; gauge, 5 ft.; locomotive, 1; cars, 8; located in Clarendon Co., S. C.; P. O. address, Manning, S. C.

Allegan and Lake Shore RR. See List No. 1.

Allen Bros. Owners of railroad; gauge, 3 ft.; cars, 4; located in Miller Co., Ark.; P. O. address, Texarkana, Ark.

Alleyton and Big Lake RR. Owned by M. Davenport; 4½ miles; gauge, 3 ft.; locomotive, 1; cars, 20; located in Newaygo Co., Mich.; P. O. address, Alleyton, Mich.

Alpena and Hubbard Lake RR. 12 miles; gauge, 3 ft.; rail (steel), 30 lbs.; locomotives, 3; cars, 46; cost of road, $75,000; Pres., Albert Pack, Vice-Pres., F. H. Fletcher, Treas., A. G. Stone, Gen. Man., Ambrose Townsend, Chf. Eng., W. Wilcox; P. O. address, Alpena, Mich.

Altoona Coal and Iron RR. See List No. 1.

Amoskeag RR. Owned by Amoskeag Lumber Co.; 10 miles; gauge, 5 ft. 9 in.; rail (iron), 40 lbs.; locomotives, 2; cars, 16; located in Dodge Co., Ga.; P. O. address, Eastman, Ga.

Anderson Creek RR. Owned by Geo. B. Merrill & Co.; 6 miles; gauge, 4 ft. 9 in.; locomotive, 1; cars, 13; located in Clearfield Co., Pa.; P. O. address, Lock Haven, Pa.

Angle Lumber Co. Owners of 3 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; locomotive, 1; cars, 8; located in Polk Co., Tex.; P. O. address, Houston, Tex.

Antwerp and Packer Brush R.R. See List No. 1.

Arbour, Octave R. Owners of 2½ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 5; located 9 miles south of Baton Rouge, La.; P. O. address, Baton Rouge, La.

Arcadia and Betsey River Tram RR. Co. Owned by H. Starkes, Theo. E. Ebert and H. Mauntier; 8 miles; gauge, 3 ft. 6½ in.; rail (iron), 25 lbs.; locomotive, 1; cars, 16; located in Manistee Co., Mich.; P. O. address, Arcadia, Mich.

Arcata Mill and Lumber Co. Owners of ¾ mile of railroad; gauge, 4 ft. 8 in.; locomotive, 1; cars, 2; located in Humboldt Co., Cal.; P. O. address, Arcata, Cal.

Armistead Lumber Co. Owners of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 10; located in Rankin Co., Miss.; P. O. address, Armistead, Miss.

Arter, W. F., Lewis, W. S., Elliott, Robt. Owners of 15 miles of railroad; gauge, 3 ft.; cars, 10; located in Green Creek, Falling Branch and Meadow Creek (5 miles each); P. O. address, Hinton, W. Va.

Atlanta and Mount Pleasant RR. and Kildare and Linden RR. Owned by Jefferson Lumber Co.; 15 miles; gauge, 3 ft.; locomotives, 2; cars, 23; located in Cass Co., Tex.; P. O. address, Jefferson, Tex.

Ayers, A. D. Owner of 4½ miles of railroad; gauge, 3 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 15; located in Newaygo Co., Mich.; P. O. address, Otis, Mich.

Ayres, J. K. Owner of 2 miles of railroad; gauge, 2 ft. 4 in.; locomotive, 1; cars, 4; located in Montgomery Co., Tex.; P. O. address, Conroe, Tex.

Babcock, Charles. Owner of 2 miles of railroad; gauge, 3 ft. 6 in.; cars, 3; located in Oswego Co., N.Y.; P. O. address, Orwell, N. Y.

Baird, E. & Bro. Owner of 3 miles of railroad; gauge, 4 ft. 8 in.; cars 2; located in Alachua Co., Fla.; P. O. address, Hague, Fla.

Bark Camp RR. Owned by J. B. Walker; 4½ miles; gauge, 4 ft. 9½ in.; rail (iron), 25 lbs.; locomotive, 1; cars, 10; located in Clearfield Co., Pa.; P. O. address, Winterburn, Pa.

Barton County RR. F. P. Anderson, Minden, Mo.

Bartow and Dublin RR. Owned by Central Georgia Lumber Co.; 5½ miles; gauge, 4 ft. 9 in.; rail (iron), 40 lbs.; locomotives, 2; cars, 6; located in Jefferson and Washington Cos., Ga.; P. O. address, Barton, Ga.

Bayside and Yeatesville RR. Owned by Jno. W. Branning; 12 miles; gauge, 3 ft. 6 in.; rail (steel), 20 lbs.; locomotives, 2; cars, 12; located in Beaufort Co., N. C.; P. O. address, Bath, N. C.

Beaver City RR. Owned by A. C. Batchelder; 2 miles; gauge, 3 ft. 6 in.; locomotive, 1; cars, 8; located in Crawford Co., Pa.; P. O. address, Tryonville, Pa.

Beaver Mills RR. Owned by Ryan, Thomson & Co.; 12 miles; gauge, 4 ft. 9 in.; rail (iron), 30 lbs.; locomotive, 1; cars, 8; located in Union Co., Pa.; P. O. address, Williamsport, Pa.

Bellevue Incline Plane RR. J. W. Kirker, Pres., Jno. W. Morrison, Sec., Joseph S. Bunn, Treas; Robella, Pa.

Bender, C. & Son. Owners of 4 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 4; located in Polk Co., Tex.; P. O. address, Moscow, Tex.

Bering, W. G. Owner of 5 miles of railroad; gauge, 3 ft; locomotive, 1; cars, 4; located in Polk Co., Tex.; P. O. address, Moscow, Tex.

Big Trestle RR. Owned by F. H. Goodyear; 4 miles; gauge, 4 ft. 8½ in.; rail (iron), 35 lbs.; locomotive, 1; cars, 16; located in McKean Co., Pa.; P. O. address, Buffalo, N. Y.

Bivings, Duke & Co. Owners of 5 miles of railroad; gauge, 3 ft. 4 in. (and ½ mile broad gauge); locomotives, 2; cars, 8; cost of road and equipment to date, $33,000; located in Chilton Co., Ala.; P. O. address, Clanton, Ala.

Black Lake and Sherman Valley RR. Owned by B. B. Turner; 3½ miles; gauge, 4 ft. 9 in.; rail (iron), 56 lbs.; locomotive, 1; cars, 3; located in Thurston Co., Wash. Terr.; P. O. address, Olympia, Wash. Terr.

Blackman Logging RR. Owned by Blackman Bros.; 4 miles; gauge, 7 ft. 6 in.; locomotive, 1; cars, 4; located in Snohomish Co., Wash. Terr.; P. O. address, Snohomish, Wash. Terr.

Blanchard, D. Owner of railroad; gauge, 4 ft. 9 in.; cars, 4; located in King Co., Wash. Terr.; P. O. address, Seattle, Wash. Terr.

Blanchard Extension RR. Owned by Chas. Blanchard's estate; 5½ miles; locomotive, 1; cars, 25; located in Clearfield Co., Pa.; P. O. address, Winterburn, Pa.

Blanchard RR. 5 miles; gauge, 4 ft. 8 in.; rail (steel), 40 lbs.; cars, 5; located in Skagit Co., Wash. Terr.; P. O. address, Blanchard, Wash. Terr.

Blossburg Coal Co. Owners of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 15; located in Tioga Co.; P. O. address, Arnot, Pa.

Blue Jay RR. Owned by Barnes & Duncan; 1¼ miles; gauge, 3 ft.; cars, 6; located in Forest Co., Pa.; P. O. address, Pigeon, Pa

Blue Line RR. Owned by Chandler & Skinner; 4 miles; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 15; located in Orleans Co., Vt.; P. O. address, Barton Landing, Vt.

Bodie and Benton RR. See List No. 1.

Bolling RR. Owned by the Milner, Caldwell, & Flowers Lumber Co.; 9 miles; rail (iron), 30 lbs.; locomotives 1; cars, 9; located in Butler Co., Ala.; P. O. address, Bolling, Ala.

Bond, J. M. Owner of 6 miles of railroad; gauge, 3 ft; rail (iron), 20 lbs.; locomotive, 1; cars, 20; cost of road and equipment, $12,000; located in Montcalm Co. Mich.; P. O. address, Grand Rapids, Mich.

Boyle, L. V. & Co. Owners of 11½ miles of railroad; gauge, 2 ft. 11 in.; locomotive, 1; cars, 8; located in Obion Co., Tenn.; P. O. address, Obion, Tenn.

Braganza Log RR. Owned by M. Albertson; 10 miles; gauge, 4 ft. 9 in.; locomotives, 2; cars, 8; located in Ware Co., Ga.; P. O. address, Braganza, Ga.

Breed Run RR. Owned by D. H. Patterson; 1¾ miles; gauge, 4 ft. 8 in.; rail (iron), 64 lbs.; locomotive, 1; located in Cattaraugus Co, N. Y.; P. O. address, Salamanca, N. Y.

Brinkley and Helena RR. Owned by Brinkley Car Works and Manufacturing Co.; 10 miles; gauge, 3 ft.; locomotive, 1; cars, 20; located in Monroe, Phillips and Lee Cos., Ark.; P. O. address, Brinkley, Ark.

Brister, B. E. & Co. Owners of 2¼ miles of railroad; gauge, 3 ft.; rail (iron), 28 lbs; locomotive, 1; cars, 2; located in Lincoln Co., Miss.; P. O. address, Bogue Chitto, Miss.

Brockport and Shawmut RR. Owned by Ridgway Lumber Co.; 3 miles; gauge, 4 ft. 9 in.; rail (steel), 60 lbs.; locomotive, 1; located in Elk Co., Pa.; W. H. Horton, Pres., Brockport, Pa.; B. E. Cartwright, Supt., Ridgway, Pa.; P. O. address, Ridgway, Pa.

Brooks Bros. Owners of 2 miles of railroad; gauge, 3 ft.; rail (iron), 16 lbs; locomotive, 1; cars, 2; located in Polk Co., Ga.; P. O. address, Seney, Ga.

Bucksport and Elk River RR. 10 miles; gauge, 4 ft. 8½ in.; rail (steel), 50 lbs.; locomotive, 1; cars, 40; capital stock, authorized, $500,000; paid in, $230,000; cost of road and equipment, $231,000; Wm. Carson, Pres.; J. M. Carson, Treas.; E. Everding, Sec.; Josiah Bell, Supt.; located in Humboldt Co., Cal.; P. O. address, Eureka, Cal.

Buckley and Douglass RR. See List No. 1.

Buell, E. A. Owner of railroad; gauge, 3 ft.; cars, 10; located in Hertford Co., N. C.; P. O. address, Murfreesboro, N. C.

Bull's Eye Spring Narrow Gauge RR. Owned by Andrew Brown, Buffalo, N. Y.; 5 miles; gauge, 3 ft. 6½ in.; rail (steel), 25 lbs.; locomotives 2; cars, 16; located in Carter Co., Ky.; P. O. address, Grayson, Ky.

Burki, L. & Sons. Owners of 15 miles of railroad; guage, 4 ft. 9 in.; locomotive, 1; cars, 10; located in Suwanee Co., Fla.; P. O. address, Ellaville, Fla.

Bump, H. A. & Co. Owners of 2 miles of railroad; gauge, 3 ft. 6 in.; locomotive, 1; cars, 4; located in Susquehanna Co., Pa.; P. O. address, Binghamton, N. Y.

Burnham Branch RR. Owned by South Missouri Land Co.; 9 miles; gauge, 4 ft. 8½ in.; locomotive, 1; located in Burnham, Horton and Howell Cos., Mo.; P. O. address, Kansas City, Mo.

Bush & Belknap. Owners of 2½ miles of railroad; gauge, 3 ft.; cars, 3; located in Warren and Crawford Cos., Pa; P. O. address, East Branch, Pa.

Cache Valley RR. Owned by Kansas City and Southern Lumber Co.; 5 miles; gauge, 3 ft. 4 in.; locomotive, 1; cars, 5; located in Lawrence Co., Mo.; P. O. address, Kansas City, Mo.

Cadillac and North-Eastern RR. See List No. 1.

Cady Mills RR. Owned by D. C. Davis & Sons; 7½ miles; gauge, 4 ft. 9 in.; locomotive, 1; D. E. Davis, Pres.; S. H. Davis, Gen. Man.; A. B. Clark, Gen. P. & F. A.; located in St. Croix Co., Wis.; P. O. address, Cady Mills, Wis.

Calcasieu Lumber Co. Owners of 6 miles of railroad; locomotive, 1; cars, 10; located in Calcasieu Parish, La.; P. O. address, Lake Charles, La.

Calcasieu and Vernon RR. Owned by Lock, Moore & Co. and A. J. Perkins & Co.; 8 miles; gauge, 3 ft. 4 in.; rail (steel), 30 lbs.; locomotives, 2; cars, 16; located in Calcasieu Parish, La.; P. O. address, Lake Charles, La.

Camp & Hinton Bros. Owners of 1½ miles of railroad; gauge, 4 ft. 8½ in.; rail (iron), 20 lbs.; locomotive, 1; cars, 3; located in Marion Co., Miss.; P. O. address, Plotona, Miss.

Camp, T. D. & Co. Owners of 4 miles of railroad; gauge, 4 ft.; rail (steel), 20 lbs.; locomotive, 1; cars, 5; located in Hertford Co., N. C.; P. O. address, Coma, N. C.

Campbell, G. W. & Co. Owners of 1 mile of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; locomotive, 1; cars, 4; located in McKean Co., Pa.; P. O. address, Kane, Pa.

Carnes, Samuel. Owner of 3 miles of railroad; gauge, 5 ft.; rail (iron), 20 lbs.; locomotive, 1; cars, 4; located in Dodge Co., Ga.; P. O. address, Dubois, Ga.

Carney, W. M. Owner of 7 miles of railroad; gauge, 4 ft. 9 in.; locomotive, 1; cars, 6; located in Escambia Co., Ala.; P. O. address, Williams, Ala.

Carter, W. D. Owner of 5 miles of railroad; gauge, 3 ft.; rail (iron), 16 lbs.; locomotive, 1; cars, 6; cost of road and equipment, $8,000; located in Bibb, Shelby and Chilton Cos., Ala.; P. O. address, Brierfield, Ala.

Carter, W. T. & Bro. Owners of 2¼ miles of railroad; gauge, 3 ft.; rail (iron), 25 lbs.; locomotive, 1; cars, 6; located in Polk Co., Tex.; P. O. address, Barnum, Tex.

Caryville and Geneva RR. Owned by W. L. Wittich; 20 miles; gauge, 4 ft. 9 in.; locomotive, 1; cars, 10; located in Washington and Holmes Cos., Fla; P. O. address, Caryville, Fla.

Cascade Mill RR. Owned by Borthwick & Fraine; 2 miles; gauge, 4 ft. 9 in.; cars, 4; located in Skamania Co., Ore.; P. O. address, Cascade Locks, Ore.

Caspar and Hare Creek RR. Owned by Caspar Lumber Co.; 7½ miles; gauge, 4 ft. 8½ in.; rail (iron and steel), 35 lbs.; locomotives, 2; cars, 20; cost of road and equipment, $120,000; located in Mendocino Co., Cal.; J. G. Jackson, Pres., San Francisco, Cal.; C. E. D. Camp, Vice-Pres., Supt., Chf. Eng., & Pur. Agt., Caspar, Cal.; F. A. Wilkins, Treas. & Sec., San Francisco, Cal.; P. O. address, San Francisco, Cal.

Central Georgia Lumber Co. RR. 8 miles; gauge, 4 ft. 8 in.; rail (iron), 40 lbs.; locomotives, 2; cars, 8; located in Jefferson Co., Ga.; P. O. address, Bartow, Ga.

Chamberlin, W. C. Owner of 6 miles of railroad; gauge, 3 ft. 6 in.; locomotive, 1; cars, 6; located in Lincoln Co.; Miss.; P. O. address, Brookhaven, Miss.

Champion & Hayward. Owners of 6 miles of railroad; gauge, 3 ft.; cars, 6; located in Newaygo Co., Mich.; P. O. address, White Cloud, Mich.

Charron & Bourgette. Owners of 4½ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 10; located in Lake and Mason Cos., Mich.; P. O. address, Branch Mich.

Chippewa River and Menominee River RR. 18½ miles; gauge, 4 ft. 8 in.; locomotives, 2; cars, 130; located in Chippewa Co., Wis.; F. Weyerhauser, Pres., Rock Island Ill.; O. H. Ingram, Eau Claire, Wis., Vice-Pres.; S. W. Chinn, Treas. & Man.; William Irvine, Sec., Chippewa Falls, Wis.; Newton Mills, Supt, Weyerhauser, Wis.

Chippewa Lake Logging RR. Owned by Chippewa Lumber Co.; 6 miles; gauge, 4 ft; locomotive, 1; cars, 12; located in Mecosta Co., Mich.; Charles E. Wyman, Pres.; D. Cutler, Vice Pres.; H. P. Wyman, Sec. & Treas.; P. O. address, Chippewa Lake, Mich.

Chowan and Southern RR. Owned by Tunis & Serpell Lumber Co. and Tunis, Eccles & Co.; 26 miles; gauge, 3 ft. 6 in.; rail (steel), 25 lbs.; locomotives, 2; cars, 30; located in Hertford and Bertie Cos., N. C.; P. O. address, Tunis, N. C.

Chubback, G. W. Owner of 4 miles of railroad; gauge, 3 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 5; located in El Dorado Co., Nev.; P. O. address, Carson City, Nev.

Clam River RR. Owned by D. A. Blodgett; 5 miles; locomotive, 1; cars, 22; located in Mis-aukee Co., Mich.; P. O. address, Muskegon, Mich.

Clear River RR. Owned by John H. Dubois; 4 miles; gauge, 4 ft. 8½ in.; locomotives, 2; cars, 15; located in Clearfield Co., Pa.; P. O. address, Dubois, Pa.

Cobbs & Mitchell. Owners of 5 miles of railroad; gauge, 3 ft.; locomotives, 2; cars, 34; located in Wexford and Missaukee Cos., Mich.; P. O. address, Cadillac, Mich.

Cole's Pole Road. Owned by Henry Watson; 6

miles; gauge, 5 ft.; locomotive, 1; cars, 6; located in Walton Co., Fla.; P. O. address, Pensacola, Fla.

Columbia River and Gray's Harbor RR. Owned by Geo. W. Weidler & Julius Ordway; 4 miles; gauge, 3 ft.; locomotive, 1; cars, 20; located in Cowlitz Co., Wash. Terr.; P. O. address, Portland, Ore.

Comstock, C. C. Owner of 5 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 12; located in Kent and Newaygo Cos., Mich.; P. O. address, Grand Rapids, Mich.

Conroe, J. Owner of 3 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs. and 25 lbs.; locomotive, 1; cars, 4; located in Montgomery Co., Tex.; P. O. address, Conroe, Tex.

Cook & Wilson. Owners of 3½ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 40; located in Chippewa Co., Mich.; P. O. address, Michigan City, Ind.

Copley and Manistee Road. Owned by Marthinson & White; 6 miles; gauge, 3 ft.; locomotives, 2; cars, 40; located in Lake Co., Mich.; P. O. address, Grand Rapids, Mich.

Covell Bros. Owners of 6 miles of railroad; P. O. address, Whitehall, Mich.

Crawford and Manistee River RR. 9¾ miles; gauge, 3 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 26; located in Kalkaska Co., Mich.; P. O. address, Manistee, Mich.

Crescent Springs RR. Owned by Shell Lake Co.; 8 miles; gauge, 3 ft.; locomotives, 2; cars, 56; located in Washburn Co., Wis.; P. O. address, Shell Lake, Wis.

Crowder & Smith. Owners of 3½ miles of railroad; gauge, 3 ft.; cars, 4; located in St. Clair Co., Ala.; P. O. address, Riverside, Ala.

Crystal Bay RR. Owned by Sierra Nevada Wood and Lumber Co.; 4 miles; gauge, 3 ft.; locomotive, 1; cars, 4; located in Washoe Co., Nev.; P. O. address, Virginia City, Nev.

Cummer, J. & Son. Owners of 3½ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 32; located in Wexford Co., Mich; P. O. address, Cadillac, Mich.

Cummings, W. J. Owner of 11 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 50 lbs.; locomotive, 1; cars, 5; located in Hampton Co., S. C.; P. O. address, Cummings, S. C.

Cutler and Savidge Lumber Co. Owners of 6 miles of railroad; gauge, 4 ft.; locomotive, 1; cars, 22; located in Montcalm Co., Mich.; P. O. address, Spring Lake, Mich.

Dale, Dixon & Co. Owners of 14 miles of railroad; gauge, 5 ft.; rail (iron), 35 lbs.; locomotives, 3; cars, 15; located in Wayne Co., Ga.; P. O. address, Savannah, Ga.

Danaher & Melendy Co. Owners of 17 miles of railroad; gauge, 3 ft.; locomotives, 2; cars, 50; located in Lake and Newaygo Cos., Mich.; C. D. Danaher, Pres. and Gen. Man., J. E. Danaher, Sec. and Treas.; P. O. address, Ludington, Mich.

Deer Lake Logging Road. Owned by Geo. Hume, executor of Thos. Burns' estate; 23 miles; gauge, 4 ft. 8 in.; rail (iron), 30 lbs.; locomotive, 1; cars, 25; located in Lake Co., Mich.; P. O. address, Deer Lake, Mich.

Dees' Tramway No. 1. G. M. Dees, owner of 1½ miles of railroad; gauge, 4 ft. 6 in.; cars, 2; located in Calcasieu Co., La.; P. O. address, Lake Charles, La.

Delta Cypress Co. Owners of 1 mile of railroad; gauge, 4 ft.; rail (iron), 16 lbs.; cars, 2; located in Bolivar Co., Miss.; P. O. address, Shaw, Miss.

Delta Lumber RR. 4½ miles; branch to Logging Camp, 2 miles; gauge, 4 ft. 8½ in.; rail (steel, 2¼ miles), 30 lbs.; locomotives, 2; cars, 24; cost of road and equipment, about $30,000; located in Schoolcraft Co., Mich.; John A. Robinson, Supt.; P. O. address, Thompson, Mich.

Dent's Run RR. Owned by Miles Dent, Emery & Reading; 6 miles; gauge, 4 ft. 8 in.; locomotive, 1; cars, 26; located in Elk Co., Pa.; P. O. address, Dent's Run, Pa.

Deshler and Wayback City RR. Owned by Ball & Smith; 5 miles; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 10; located in Henry Co., O.; P. O. address, Deshler, O.

Detroit and St. Clair RR. Co. C. McElroy, Pres., St. Clair, Mich.; L. B. Parker, Vice-Pres., Marine City, Mich.; Franklin Moore, Sec., Mark Hopkins, Treas., St. Clair, Mich.; V. A. Saph, Aud., Marine City, Mich.

Diamond Valley RR. Owned by D. Gring and others; 8 miles; gauge, 3 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 4; located in Huntingdon Co., Pa.; David Gring, Pres., Newport, Pa.; A. P. W. Johnston, Chf. Eng., Harrisburg, Pa.; R. W. Cline, Sec., C. C. Keller, Asst. Sec., Harrisburg, Pa.; P. O. address, Harrisburg, Pa.

Donaldson Lumber Co. Owners of 6 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 8; located in Hot Springs Co., Ark.; P. O. address, Donaldson, Ark.

Dowling, I. W. & Co. Owners of 7 miles of railroad; gauge, 5 ft.; rail (iron), 30 lbs.; locomotive, 1; cars, 7; located in Columbia Co., Fla.; P. O. address, Lake Ogden, Fla.

Dry Run Lumber Co Owners of 1¾ miles of railroad; gauge, 3 ft.; rail (iron), 35 lbs.; cars, 8; located in Dallas Co., Ark; P. O address, Dry Run, Ark.

Dunham Lumber Co. Owners of 8 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 56 lbs.; locomotive, 1; cars, 10; located in Butler Co., Ala.; P. O. address, Dunham, Ala.

Dunham, Peters & Co. Owners of 5 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 24; located in Lake Co., Mich.; P. O. address, Chase, Mich.

Eagle Mills RR. Owned by Thos. Keeler; 2½ miles; gauge, 4 ft. 8 in.; rail (steel), 20 lbs.; locomotives, 2; cars, 8; located in McLean Co., Pa.; P. O. address, Wetmore, Pa.

East Florida Land and Produce Co., Limited. Owners of 11¾ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 9; located in St. John's Co., Fla.; P. O. address, St. Augustine, Fla.

Eastern Shore Line RR. Owned by Jefferson & Cruse; 5 miles; gauge, 3 ft.; rail (iron), 40 lbs., and wood; locomotive, 1; cars, 6; located in Liberty Co., Tex.; P. O. address, Keno, Tex.

Edenfield, I. T. Owner of 4 miles of railroad; gauge, 5 ft.; locomotive, 1; cars, 4; located in Emanuel Co., Ga.; P. O. address, Swainsboro, Ga.

Egan, Wm. Owner of 2 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; locomotive, 1; cars, 6; located in Butler Co., Mo.; P. O. address, Neelysville, Mo.

Edgerly Tram Road. Owned by Hampton & Miller; 4½ miles; gauge, 3 ft.; rail (iron), 30 lbs.; locomotive, 1; cars, 5; located in Calcasieu Co., La.; P. O. address, Edgerly, La.

Enoche, J. C. Owner of 2 miles of railroad; gauge, 2 ft. 6 in.; rail (steel), 20 lbs.; locomotive, 1; cars, 4; located in Pike Co., Mich.; P. O. address, Magnolia, Miss.

Eppinger and Russell Logging RR 15 miles; gauge, 4 ft. 9 in.; locomotives, 2; cars, 18; located in Baker Co., Fla.; P. O. address, Olustee, Fla.

Eutawville RR. See List No. 1.

Fairchild and Eau Claire River RR. Owned by N. E. Foster; 22 miles; gauge, 4 ft. 8½ in.; locomotives, 4; cars, 30; located in Eau Claire and Clark Cos., Wis.; P. O. address, Fairchild Wis.

Farrell, Wm. & Co. Owners of 6 miles of railroad; gauge, 3 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 8; located in Pulaski Co., Ark.; P. O. address, Wrightsville, Ark.

Farrin, M. B. Owner of 8 miles of railroad; 6½ miles; gauge, 3 ft.; locomotive, 1; cars, 16; located in Kalkaska Co., Mich.; P. O. address, South Boardman, Mich.

Ferguson, Solon. Owner of 1½ miles of railroad; gauge, 3 ft. 6 in.; locomotive, 1; cars, 6; located in Clay Co., Ark.; P. O. address, Moark, Ark.

Fewsmith, Crowell S. Owner of 4 miles of railroad; gauge, 3 ft; locomotive, 1; cars, 5; coast of road and equipment, $4,000; located in Ritchie Co., W. Va.; P. O address, Parkersburg, W. Va.

Fish Creek RR. Owned by Wagar Lumber Co.; 6 miles; gauge, 4 ft. 8 in.; locomotive, 1; cars, 20; located in Montcalm Co., Mich.; P. O. address, Ionia, Mich.

Flagg, K. A. Owner of 1½ miles of railway; gauge, 4 ft. 9 in.; rail (iron), 20 lbs.; cars, 3; located in Portice Co., Ark.; P. O. address, Portia, Ark.

Flowers, M. S. Owner of 2 miles of railroad; gauge, 3 ft.; cars, 4; located in Paulding Co., O.; P. O. address, Payne, O

Fort Bragg RR. Owned by O. R. Johnson and others; 7 miles; gauge, 4 ft. 8½ in.; rail (iron and steel), 35 to 60 lbs.; locomotive, 1; cars, 35; located in Mendocino Co., Cal.; P. O. address, Fort Bragg, Cal.

Foster, Blackman & Co. Owners of 7 miles of railroad; gauge, 4 ft; rail (iron), 20 lbs.; locomotive, 1; cars, 15; located in Lake Co., Mich.; P. O. address, Baldwin, Mich.

Fowler, W. J. Owner of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 2; located in Trinity Co., Tex.; P. O. address, Trinity, Tex.

Fort Creek RR. Owned by D. T. Collins; 4 miles; gauge, 3 ft.; rail (iron), 20 lbs.; cars, 4; located in Forest Co., Pa.; P. O. address, Nebraska, Pa.

Fresh Water RR. Owned by the California Red Wood Co.; 13 miles; gauge, 4 ft. 8½ in.; rail (iron and steel), 40 to 56 lbs.; locomotives, 2; cars, 60; located in Humboldt Co., Cal.; P. O address, Eureka, Cal.

Gage, C. R. Owner of 5 miles of railroad; gauge 2 ft.; cars, 8; located in Lincoln Co., Miss.; P. O. address, Montgomery, Miss.

Garwood, J. L. Owner of 2 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 4; located in Montgomery Co., Tex.; P. O. address, Medley, Tex.

Gate City Lumber RR. 7 miles; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotive, 1; cars, 10; located in Texarkana Co., Ark.; P. O. address, Texarkana, Ark.

Geary, John A. Owner of 1½ miles of railroad; gauge, 3 ft.; use horses; located in Pulaski Co., Ky.; P. O. address, Coolidge, Ky.

Gebhart & Estabrook. Owners of several miles of railroad; gauge, 3 ft.; cars, 4; located in Clare Co., Mich.; P. O. address, Saginaw, Mich.

Genesis and Obed River RR. Owned by Capt. Lina Beecher; 3 miles; gauge, 3 ft.; locomotive, 1; cars, 8; located in Cumberland Co., Tenn.; P. O. address, Genesis, Tenn.

Georgia Marble Co. H. C. Clement, Pres., M. H. Seddall, Vice-Pres., J. A. Dowar, Gen. Man., B. Rawe, Sec. & Treas.

Gibbs, J. H. Owner of 2½ miles of railroad; gauge, 3 ft.; rail (steel), 16 lbs.; locomotive, 1; cars, 6; located in Montcalm Co., Mich.; P. O. address, Edmore, Mich.

Gifford Lumber Mills Logging RR. Owned by Jos. Brown; 3½ miles; gauge, 2 ft. 7 in.; rail (iron), 20 lbs. and 30 lbs.; locomotive, 1; cars, 4; cost of road and equipment, $20 000; located in Hot Springs Co., Ark.; P. O. address, Gifford, Ark.

Grand & Slater. Owners of 1 mile of railroad; gauge, 3 ft.; located in Warren Co., Pa.; P. O. address, Parthenia, Pa.

Grass Lake and Manistee River RR. 8 miles; gauge, 3 ft; rail (steel), 25 lbs.; locomotive, 1; cars, 30; located in Kalkaska Co., Mich.; P. O. address, Manistee, Mich.

Gratwick, Smith & Fryer Lumber Co. Owners of 8 miles of railroad; gauge, 4 ft. 8 in.; locomotives, 2; cars, 26; located in Otsego Co., Mich.; W. H. Gratwick, Pres., Buffalo, N. Y.; R. L. Fryer, Vice-Pres., Albany, N. Y.; Edw. Smith, Treas., Detroit, Mich.; P. O. address, Oscoda, Mich.

Gray, B. B. Owner of 10 miles of railroad; gauge, 4 ft 9 in.; rail (iron), 30 and 35 lbs.; locomotives, 2; cars, 7; located in Coffee Co., Ga.; P. O. address, Pinebloom, Ga.

Gray & Gatchell. Owners of 8½ miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotive, 1; cars, 6; located in Coffee Co., Ga.; P. O. address, Lellator, Ga

Great Eastern RR. Owned by W. C. Albertson; 1½ miles; gauge, 3 ft.; rail (iron), 28 lbs.; locomotive, 1; located in Jones Co., Miss.; P. O. address, Moselle, Mich.

Green Ridge RR. of Maryland. Owned by F. Merten's Sons; 16 miles; gauge, 3 ft.; rail (iron), 25 to 30 lbs.; locomotives, 3; cars, 12; located in Alleghany Co., Md.; P. O. address, Cumberland, Md.

Gregory and Coe Lumber Co. Owners of 5 miles of railroad; gauge, 3 ft. 4 in.; rail (iron), 20 to 35 lbs.; locomotive, 1; cars, 17; located in Chilton Co., Ala.; P. O. address, Stanton, Ala.

Gress Lumber Co. Owners of 6 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotive, 1; cars, 6; located in Dodge Co., Ga.; P. O. address, Atlanta, Ga.

Groveton, Kickapoo and Gulf RR. Owned by Trinity Co. Lumber Co.; 4 miles; rail (iron), 30 lbs.; gauge, 3 ft.; locomotive, 1; cars, 11; located in Trinity Co., Tex.; P. O. address, Groveton, Tex.

Gualala Mill Co. RR. 5 miles; gauge, 5 ft. 8 in.; rail (iron and steel), 35 and 40 lbs.; locomotives, 3; cars, 35; located in Mendocino Co., Cal.; P. O. address, Gualala, Cal.

Guilford, U. M. Owner of 5 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 45 and 60 lbs.; locomotive, 1; cars, 12; located in Ogemaw Co., Mich.; P. O. address, Ogemaw, Mich.

Gulf, Sabine and Red River RR. Owned by Lutcher & Moore; 12 miles; gauge, 3 ft.; rail (steel), 30 lbs.; locomotives, 2; cars, 30; located in Calcasieu Parish, La.; P. O. address, Orange, Tex.

Hackley & Hume. Owners of 12 miles of railroad; gauge, 4 ft. 8 in.; locomotives, 3; cars, 54; located in Clare Co., Mich.; P. O. address, Muskegon, Mich.

Hall & Buell. Owners of 4 miles of railroad: locomotive, 1; cars, 20; located in Schoolcraft Co., Mich.; P. O. address, South Manistique, Mich.

Hall and Manning Road: 3 miles; gauge, 3 ft. 6 in.; cars, 15; located in Lake Co., Mich.; P. O. address, Deer Lake, Mich.

Hall, Edmund. Owner of 3 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; use horses; cars, 6; located in Clare Co., Mich.; P. O. address, Detroit, Mich.

Harris & Mitchell. Owners of 4 miles of railroad; gauge, 4 ft. 9 in.; rail (steel), 25 lbs.; locomotives, 2; cars, 4; located in Dodge Co., Ga.; P. O. address, Cox, Ga.

Harrison and Muskegon River RR. Owned by H. C. Akely; 10 miles; gauge, 4 ft. 9 in.; rail (steel), 35 lbs.; locomotive, 1; cars, 40; located in Clare Co., Mich.; P. O. address, Grand Haven, Mich.

Harrison, Carter & Co. Owners of 5 miles of railroad; gauge, 4 ft.; rail (steel), 20 lbs.; locomotive, 1; cars, 10; located in Chilton Co., Ala.; P. O. address, Dixie, Ala.

Harroun, H. M. Owner of 4½ miles of railroad; gauge, 3 ft.; cars, 8; located in Newaygo Co., Mich.; P. O. address, McLane, Mich.

Hart, J. F. & Co. Owners of 3 miles of railroad; gauge, 2 ft. 6 in.; cars, 8; located in Pierce Co., Wash. Terr.; P. O. address, Tacoma, Wash. Terr.

Hasbrook & Son. Owners of 2 miles of railroad; locomotive, 1; car, 1; located in Craighead Co., Ark.; P. O. address, Jonesboro, Ark.

Haskell W. C. & J. Owners of 3 miles of railroad; gauge, 3 ft. 6 in.; cars, 5; located in Ashtabula Co., O.; P. O. address, Ashtabula, O.

Hawkins, W. S. Owner of 12 miles of railroad; gauge, 5 ft.; rail (steel), 40 lbs.; locomotives, 2; cars, 12; located in Appling Co., Ga.; P. O. address, Savannah, Ga.

Hendrix & Smith. Owners of 4 miles of railroad; gauge, 3 ft 2 in.; cars, 4; located in St. Clair Co., Ala.; P. O. address, Trout Creek, Ala.

Hermansville and Western RR. Owned by Chas. J. L. Meyer; 10 miles; gauge, 4 ft. 8½ in.; rail (iron), 30 lbs.; locomotive, 1; cars, 25; located in Menominee Co., Mich.; P. O. address, Hermansville, Mich.

Hess, J. N., Round Lake RR. Length, 5½ miles of railroad; P. O. address, Cadillac, Mich.

Hill, R. F. & W. P. Owners of 2½ miles of railroad; gauge, 3 ft.; cars, 4; located in Orange Co., Va.; P. O. address, Barboursville, Va.

Hilliard & Bailey. Owners of 17 miles of railroad; gauge, 5 ft.; rail (iron), 35 lbs.; locomotives, 3; cars, 14; located in Nassau Co., Fla.; P. O. address, Hilliard, Fla.

Himmelberger, J. & Co. Owners of 7½ miles of railroad; gauge, 4 ft 9 in.; locomotive, 1; cars, 20; cost of road and equipment, $20,000; located in Stoddard Co., Mo.; I. Himmelberger, Pres., Logansport, Ind.; Jno. Himmelberger, Treas., Buffington, Mo.; I. Y. Ballou, Sec., Buffington, Mo.; P. O. address, Buffington, Mo.

Hipple, Geo. W. & Co. Owners of 8 miles of railroad; gauge, 4 ft. 8½ in.; rail (steel), 25 lbs.; locomotive, 1; cars, 6; located in Clay Co., Fla.; P. O. address, Highland, Fla.

Hitch, Frank. Owner of 5 miles of railroad; gauge, 3 ft. 3 in.; rail (steel), 25 lbs.; locomotive, 1; cars, 24; located in Bertie Co., N. C.; P. O. address, Suffolk, Va.

Hobart and Manistee River RR. See List No. 1.

Hobbs, Wall & Co. Owners of 5 miles of railroad; gauge, 4 ft. 8½ in.; rail (steel), 40 lbs.; locomotive, 1; cars, 10; located in Del Norte Co., Cal.; P. O. address, Crescent City, Cal.

Holladay, H. N. Owner of 3½ miles of railroad; gauge, 4 ft.; rail (iron), 24 lbs.; locomotive, 1; cars, 6; located in Wayne Co., Mo.; P. O. address, Williamsville, Mo.

Holmes, Wm. & Son. Owners of 4 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; locomotive, 1; cars, 8; located in Iron Co., Mich.; P. O. address, Menominee, Mich.

Houghton Lake and Barton City RR. Owned by Roscommon Lumber Co.; 12 miles; gauge, 4 ft. 9 in.; rail (steel), 35 lbs.; locomotives, 4; cars, 90; located in Roscommon Co., Mich.; P. O. address, Meredith, Mich.

Howison, A. P. Owner of 6 miles of railroad; gauge, 3 ft. 8 in.; rail (iron), 20 lbs. and 30 lbs.; locomotives, 2; cars, 12; located in Bibb Co., Ala.; P. O. address, Randolph, Ala.

Hudgins RR. Owner of 3 miles of railroad; gauge, 3 ft.; cars, 6; located in Clarendon Co., S. C.; P. O. address, Foreston, S. C.

Humboldt Lumber Mill Co. Logging RR. 1 mile; gauge, 3 ft. 9 in.; rail (iron), 35 lbs.; locomotive, 1; cars, 4; located in Humboldt Co., Cal.; P. O. address, San Francisco, Cal.

Hungerford Lake RR. Co. Owned by Stewart Ives; 4½ miles; P. O. address, Big Rapids, Mich.

Hunter's Logging RR. Owned by Dexter Hunter; 13 miles; gauge, 3 ft.; rail (steel), 35 lbs.; locomotives, 2; cars, 31; located in Clay Co., Fla.; P. O. address, Jacksonville, Fla.

Hyde, W. H. & Co. Owners of 7 miles of railroad; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 4; located in Elk Co., Pa.; P. O. address, Ridgway, Pa.

Ingalls, White Rapids and Northern RR Owned by Jno. Bagley; 18 miles; gauge, 3 ft; rail (iron), 35 lbs.; locomotives, 2; cars, 60; located in Menominee Co., Mich.; P. O. address, Ingalls, Mich.

Island Run RR. Owned by A. Thompson; 6 miles; gauge, 4 ft. 8½ in.; rail (steel), 20 and 25 lbs.; locomotive, 1; cars, 13; located in Elk Co., Pa; P. O. address, Ridgway, Pa.

Jackson Logging RR. Owned by C. F. Jackson; 1½ miles; gauge, 3 ft. 4 in.; car, 1; located in Skagit Co., Wash. Terr.; P. O. address, Mt. Vernon, Wash. Terr.

Jacoby Creek RR. Owned by Flannigan, Brosman & Co.; 3½ miles; gauge, 4 ft. 8½ in.; rail (steel), 40 lbs.; locomotive, 1; cars, 14; located in Humboldt Co., Cal; P. O. address, Eureka, Cal.

Jamison Run RR. Owned by Rowland Cobb; 2 miles; gauge, 4 ft. 6 in.; cars, 4; located in Forest Co., Pa.; P. O. address, Tionesta, Pa.

Jeannot, P. & Co. Owners of 8 miles of railroad; gauge, 3 ft.; rail (steel 2 miles), 20 lbs.; locomotive, 1; cars, 18; cost of road and equipment, $25,000; located in Newaygo Co., Mich.; P. O. address, Diamond Lake, Mich.

Jefferson & Cruse. Owners of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 4; located in Liberty Co., Tex.; P. O. address, Keno, Tex.

Jefferson Lumber Co. Owners of railroad; gauge, 3 ft.; cars, 20; located in Cass Co., Tex.; P. O. address, Kildare, Tex.

Johnson, L. & Co. Owners of 12 miles of railroad; gauge, 5 ft.; rail (iron), 35 and 50 lbs.; locomotive, 1; cars, 10; located in Appling Co., Ga.; P. O. address, Graham, Ga.

Joeseraud, P. & Bro. Owners of 2 miles of railroad; cars, 3; located in Trinity Co., Tex.; P. O. address, Trinity, Tex.

Kane Oil Field RR. Owned by James Bros.; 6 miles; gauge, 3 ft.; rail (steel), 30 lbs.; locomotives, 2; cars, 14; located in McKean and Elk Cos., Pa.; P. O. address, Kane, Pa.

Kent, Amos & Son. Owners of 4½ miles of railroad; gauge, 3 ft.; rail (iron), 25 to 30 lbs.; locomotive, 1; cars, 8; cost of road and equipment, $13,000; located in Tangipahoa Parish, La.; P. O. address, Tangipahoa, La.

Kerville and Big Spring RR. Owned by Beck and Dickerson; 6 miles; gauge, 3 ft.; cars, 5; located in Tipton and Shelby Cos., Tenn.; P. O. address, Union City, Tenn.

Kidder, Geo. C. Owner of 2 miles of railroad; gauge, 2 ft. 6 in.; cars, 4; located in Wasatch Co., Utah; P. O. address, Park City, Utah.

Kildare and Linden RR. Owned by Jefferson Lumber Co.; 6 miles; gauge, 3 ft.; rail (steel), 24 lbs.; locomotive, 1; cars, 10; located in Cass Co., Tex; P. O. address, Jefferson, Tex.

Kingsville RR. Owned by McDonough & Co.; 20 miles; gauge, 4 ft 9 in.; rail (iron), 35 lbs.; locomotives, 3; cars, 25; located in Pierce Co., Ga.; P. O. address, Savannah, Ga.

Kizer, E. F. Owner of 4 miles of railroad; gauge, 2 feet; rail (iron), 12 lbs.; cars, 18; located in Bradford Co., Pa.; P. O. address, Kipp, Pa.

Knob Creek Tram Road. Owned by D. P. Shoffner; 2½ miles; gauge, 3 ft.; cars, 4; located in Lauderdale Co., Tenn.; P. O. address, Hansford, Tenn.

Knoxville and New River RR. Co. See List No. 1.

Lake County RR. Owned by Thomas R. Lyon; 9½ miles; gauge, 4½ ft. 8 in.; locomotives, 3; cars, 44; located in Mason Co., Mich.; P. O. address, Ludington, Mich.

Lake Creek RR. 8 miles; gauge, 3 ft.; rail (iron), 20 lbs.; locomotives, 2; cars, 15; located in Montgomery Co., Tex.; P. O. address, Montgomery, Tex.

Lake Michigan and Northern RR. Owned by McGraw, Jackson & Co.; 15 miles; gauge, 4 ft. 8 in.; rail (steel), 37 lbs.; locomotives, 2; cars, 40; located in St. Ignace Co., Mich.; P. O. address, Naubineray, Mich.

Laurel Run RR. Owned by Whiting & Denning; 7 miles; gauge, 4 ft. 8 in.; rail (steel), 20 lbs.; locomotive, 1; cars, 10 to 15; located in Pocahontas Co., W. Va.; P. O. address, White Sulphur Springs, W. Va.

Lefferman & Chatterson. Owners of 3½ miles of railroad; gauge, 4 ft. 8½ in.; rail (iron and wood), 30 lbs.; locomotive, 1; cars, 4; located in White Co., Ark.; P. O. address, Russell, Ark.

Leroy, Penessee and Indian Lake RR. 5 miles; Kellog, Sawyer & Co., operated by Byles & Phelps, Assignors; P. O. address, Kalamazoo, Mich.

Lienhurd, H. Owner of 3 miles of railroad; gauge, 3 ft.; rail (steel), 16 lbs.; locomotive, 1; cars 4; located in Harrison Co., Miss.; P. O. address, Handsboro, Miss.

Linden Spring Bank and Queen City RR. Owned by Queen City Lumber Co.; 7½ miles; gauge, 3 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 8; located in Cass Co., Tex.; P. O. address, Queen City, Tex.

Lone Star Mill Tram RR. Owned by T. L Hackney; 4 miles; gauge, 3 ft.; rail (wood and iron), 20 lbs; locomotive, 1; cars, 4; located in Polk Co., Tex.; P. O. address, Corrigan, Tex.

Long, A. B. & Son's Lumber RR. 7½ miles; gauge, 3 ft. 10 in.; rail (steel), 25 lbs.; locomotives, 2; cars, 16; cost of road and equipment, about $40,000; P. O. address, Grand Rapids, Mich.

Lowell Logging RR. Owned by E. D. Smith; 5 miles; car, 1; located in Snohomish Co., Wash. Terr.; P. O. address, Lowell, Wash. Terr.

Lukens & Reissnyder. Owners of 7½ miles of railroad; gauge, 5 ft.; rail (iron) 70 lbs.; locomotive, 1; cars, 6; located in Clarendon Co., S. C.; P. O. address, Oaklands, S. C.

Lumb, James M. Owner of 4½ miles of railroad; gauge, 3 ft. 3 in.; rail (iron), 55 lbs.; locomotive, 1; cars, 3; located in Hampton Co., S. C.; P. O. address, Coosawpatchie, S. C.

Lutherville and Colony Mountain RR. Owned by Mike Bros; 3 miles; gauge, 3 ft.; cars, 2; located in Johnson Co., Ark.; P. O. address, Lutherville, Ark.

McCoy, Daniel. Owner of 4 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; locomotives, 2; cars, 25; located in Lake Co., Mich.; P. O. address, Grand Rapids, Mich.

McFarlane, Ross & Stearns. Owners of 6½ miles of railroad; gauge, 4 ft. 8½ in.; rail (iron), 30 lbs.; locomotive, 1; located in Franklin Co., N. Y.; P. O. address, Everton, N. Y.

McDonald, J. & Co. Owners of 10 miles of railroad; gauge, 5 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 6; located in Coffee Co., Ga.; P. O. address, McDonald's Mill, Ga.

McIntyre & Co. Owners of 2 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; cars, 2; located in Iron Co., Mich.; P. O. address, Mastodon, Mich.

McMillan, B. F. & Bro. Owners of 3½ miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotive, 1; located in Marathon Co., Wis.; P. O. address, McMillan, Wis.

Mad River and Humboldt RR. Owned by John Vance, 12 miles; gauge, 4 ft. 9 in.; rail (steel), 35 lbs.; locomotives, 3; cars, 26; located in Humboldt Co., Cal.; P. O. address, Eureka, Cal.

Mallet, C. P. Owner of 3 miles of railroad; gauge, 5 ft.; rail (iron), 56 lbs.; locomotive, 1; cars, 6; located in Sumter Co., S. C.; P. O. address, Mayesville, S. C.

Malvern Lumber Co. Owners of 5 miles of railroad; gauge, 3 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 10; cost of road and equipment, $15,000; located in Hot Spring Co., Ark.; P. O. address, Malvern, Ark.

Manistee Tram Railway. R. G. Peters, owner of 15 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 34; located in Manistee and Mason Cos., Mich.; R. G. Peters, Pres., B. M. Cutcheon, Sec., H. W. Carey, Treas.; P. O. address, Manistee, Mich.

Manistee and Luther RR. 36 miles; gauge, 3 ft.; rail (steel), 30 lbs.; locomotives, 3; cars, 200; located in Mason and Lake Cos., Mich.; R. G. Peters, Pres. &

Gen. Man., H. W. Carey, Sec. & Asst. Gen. Man., J. A. Proctor, Treas, P. O. address, Manistee, Mich.

Manistique RR. 6 miles; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 24; located in Schoolcraft Co., Mich.; P. O. address, Detroit, Mich.

Markham, Andrew. Owner of 1½ miles of railroad; gauge, 3 ft.; cars, 2; located in Sonoma Co., Cal.; P. O. address, Markham, Cal.

Martin's RR. Owned by Mrs. J. Ewart & Mrs. M. Hassinger; 2 miles; cars, 2; located in Warren Co., Pa.; P. O. address, Sheffield, Pa.

Mason and Oceana RR. (Formerly owned by Butters & Peters.) 9 miles; gauge, 3 ft.; locomotives, 2; cars, 70; located in Mason and Oceana Cos., Mich.; P. O. address, Tallman, Mich.

Matthew, H S. Owner of 5 miles of railroad; gauge, 3 ft.; rail (steel), 20 lbs.; locomotive, 1; cars, 10; located in Bowie Co., Tex.; P. O. address, Eylau, Tex.

Matthews & Co. Owners of 6 miles of railroad; gauge, 3 ft; locomotive, 1; cars, 6; located in Liberty Co., Tex.; P. O. address, Cleveland, Tex.

Mecosta RR. Owned by John McNaughton; 9 miles; gauge, 3 ft.; rail (steel), 25 lbs.; locomotives, 2; cars, 35; located in Mecosta Co., Mich.; P. O. address, Big Rapids, Mich.

Mendocino RR. Owned by L. E. White; gauge, 3 ft.; rail (iron), 45 lbs; locomotive, 1; cars, 20; located at Greenwood Creek, Mendocino Co., Cal.; P. O. address, Cuffey's Cove, Cal.

Midland Tram RR. Owned by Cleveland Wooden Ware Works; gauge, 2 ft. 6 in.; cars, 6; located in Midland Co., Mich.; P. O. address, Midland, Mich.

Midville and Swainsboro RR. Owned by Jesse Thompson & Co.: 22½ miles; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotives, 2; cars, 10; located in Emanuel Co., Ga.; P. O. address, Augusta, Pa.

Millett & McKay. Owners of 2 miles of railroad; gauge, 7 ft.; cars, 2; located in Skagit Co., Wash. Terr.; P. O. address, Mt Vernon, Wash. Terr.

Mills & Leighton. Owners of 1¾ miles of railroad; gauge, 3 ft.; cars, 2; located in Van Buren Co., Mich.; P. O. address, Otsego, Mich.

Mins, Fletcher. Owner of 6 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 5; located in Colleton Co., S. C.; P. O. address, Ross, S. C.

Minnick, G. R. Owner of 4 miles of railroad; gauge, 3 ft.; cars, 8; located in Obion Co., Tenn.; P. O. address, Obion, Tenn.

Minor, W. H. Owner of 1½ miles of railroad; gauge, 3 ft.; rail (iron), 16 lbs.; cars, 3; located in Bradford Co., Pa.; P. O. address, Foot of Plane, Pa.

Mitchell Bros. Owners of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 30; located in Missaukee Co., Mich.; P. O. address, Cadillac, Mich.

Miramichi RR. Owned by James Krougham & Co.; 3¼ miles; gauge, 4 ft.; locomotives, 2; cars, 4; located in Clark Co., Ala.; P. O. address, Coffeeville, Ala.

Missouri Southern RR. 16 miles; gauge, 3 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 24; located in Wayne, Reynolds and Carter Cos.; P. O. address, Leeper, Mo.

Moncour Bros. Owners of 10 miles of railroad; gauge, 3 ft.; trucks, 6; located in King William Co., Va.; P. O. address, Ayletts, Va.

Montcalm RR. Owned by Grand Haven Lumber Co.; P. O. address, Grand Haven, Mich.

Moon, R. A. Owner of 7 miles of railroad; P. O. address, Big Rapids, Mich.

Moore & Andrews. Owners of 1¼ miles of railroad; gauge, 3 ft. 6 in.; rail (iron), 15 lbs.; cars, 5; located in Warren Co., Pa.; P. O. address, Garland, Pa.

Morris, A. W. Owner of 9 miles of railroad; gauge, 3 ft.; locomotives 2; cars, 6; located in Polk Co., Tex.; capital stock, $6,050; debt, $1,500 (representing cost of road and equipment, $7,550); P. O. address, Clevilas, Tex.

Morton & Helm. Owners of 5½ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 7; located in Lincoln Co., Miss.; P. O. addre s, Brookhaven, Miss.

Moses & Harvey. Owners of 7 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 25 lbs.; locomotive, 1; cars, 5; located in Sumter Co., S. C.; P. O. address, Sumter, S. C.

Mt. Adams and Eden Park Inclined RR. Co. G. B. Kesper, Pres. & Treas., I. R. Murdoch, Sec., Cincinnati, O.

Musquito and Coal Creek RR. Owned by B. F. Brock; 2 miles; gauge, 3 ft.; locomotive, 1; cars, 4; located in Cowlitz Co., Wash. Terr.; P. O. address, Oak Point, Wash. Terr.

Nathaniel Weston Lumber Co. Owners of 1½ miles of railroad; gauge, 3 ft.; rail (iron), 30 lbs.; locomotive, 1; cars, 6; located in Arkansas Co., Ark.; P. O. address, Humphrey, Ark.

Navarro RR. Owned by Navarro Mill Co.; 10 miles; locomotives, 2; cars, 8; located in Mendocino Co., Cal.; P. O. address, San Francisco, Cal.

Neidigk, O. S. Owner of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 4; located in San Jacinto, Co., Tex.; P. O. address, Shepherd, Tex.

Nelins, A. L. Owner of 5 miles of railroad; gauge, 3 ft.; located in Southampton Co., Va.; P. O. address, Zuni, Va.

Neil, Robert. Owner of 1½ miles of railroad; gauge, 3 ft.; rail (iron and wood), 12 lbs.; cars, 6; located in Newaygo Co., Mich.; P. O. address, White Cloud, Mich.

Nester, Thos. Owner of 1 or 2 miles of railroad; gauge, 4 ft. 8½ in.; cars, 4; located in Baraga Co., Mich.; P. O. address, Baraga, Mich.

Newkshamp's RR. Owned by Harrison Clothier & C. S. English; 1½ miles; gauge, 3 ft.; cars, 2; located in Skagit Co., Wash. Terr.; P. O. address, Mt. Vernon, Wash. Terr.

Nona Mills. Owners of 5 miles of railway; gauge, 3 ft.; rail (iron), 56 lbs.; locomotive, 1; cars, 10; located in Hardin Co., Tex.; P. O. address, Beaumont, Tex.

North Arkansas Tram RR. Owned by Hungerford Bros. & Harmon; 7½ miles; gauge, 4 ft. 6 in.; locomotive, 1; cars, 4; located in Sharp and Randolph Cos., Ark.; P. O. address, Ravenden, Ark.

North Texas Land and Timber Co. RR. Owned by C. S. Woodworth & Co. and Bivins, Venable & Co.; 5¼ miles; gauge, 3 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 18; located in Cass Co., Tex.; P. O. address, Wayne, Tex.

Oak Land and Lumber Co. Owned by Griffith & Hunt; 7 miles; gauge, 3 ft.; rail (iron), 36 lbs.; locomotive, 1; cars, 10; located in White Co., Ark.; P. O. address, Russell. Ark.

Ockmulgee River and Normandale RR. Owned by Dodge, Meigs & Co.; 29 miles; gauge, 3 ft. 6 in.; rail (iron), 30 lbs.; locomotives, 4; cars, 42; located in Dodge Co., Ga.; P. O. address, Normandale, Ga.

Olive and Sternerberg Timber RR. Owned by S. C. Olive & J. A. Sternerberg; 5½ miles; gauge, 3 ft.; rail (iron), 52 lbs.; locomotive, 1; cars, 7; located in Hardin Co., Tex.; P. O. address, Olive, Tex.

Olympia and Chehalis Valley RR. See List No. 1.

Olympia and Mt. Ranier RR. Owned by J. C. Ellis; 3 miles; gauge, 3 ft. 1 in.; rail (steel), 54 lbs.; cars, 4; located in Thurston Co., Wash. Terr.; P. O. address, Olympia, Wash. Terr.

Otis, William. Owner of 7 miles of railroad; gauge, 5 ft.; cars, 15; located in Mobile Co., Ala.; P. O. address, Mobile, Ala.

Otto Glen RR. Owned by Otto Lowe & Co.; 5 miles; gauge, 4 ft. 9 in.; rail (iron), 20, 25 and 35 lbs.; locomotive, 1; cars, 6; located in Elk Co., Pa.; P. O. address, Williamsport, Pa.

Pacific Lumber Co. RR 9 miles; gauge, 4 ft. 8½ in.; rail (wood and steel), 40 and 56 lbs.; locomotive, 1; cars, 64; located in Humboldt Co., Cal.; P. O. address, Hydesville, Cal.

Pacific Lumber Co. RR. 6 miles; gauge, 3 ft.; rail (iron), 20 and 30 lbs.; locomotive, 1; cars, 6; located in Nevada Co., Cal.; P. O. address, Truckee, Cal.

Paris and Pere Marquette RR. See List No. 1.

Paine & Co. Owners of 10 miles of railroad; gauge, 4 ft. 8½ in.; locomotives, 3; cars, 25; located in Canton Co., Minn.; J. M. Paine, Pres., Asa Paine, Sec. and Treas.; P. O. address, N. P. Junction, Minn.

Paragould and Buffalo Island RR. Owned by Paragould Stave Manufacturing Co.: 8½ miles; gauge, 4 ft. 8½ in.; rail (iron), 20 lbs.; locomotive, 1; cars, 20; located in Greene Co., Ark.; P. O. address, Paragould, Ark.

Peacock and Peterson RR. 3 miles; gauge, 4 ft. 9 in.; rail (iron), 40 lbs.; locomotive, 1; cars, 3; located in Washington Co., Ga.; P. O. address, Donovan, Ga.

Pekin Mill RR. Owned by P. P. & H. W. Carrier; 2 miles; gauge, 6 ft.; located in Jefferson Co., Pa.; P. O. address, Brookville, Pa.

Pelton's Logging Road Owned by D. C. Pelton & Co.; 4 miles; gauge, 3 ft. 6 in.; rail (iron), 16 lbs.; locomotive, 1; cars, 20; located in Lake Co., Mich.; P. O. address, Nirvana, Mich.

Pennsylvania Lumber Co. 4 miles; gauge, 4 ft. 9

in.; rail (iron), 30 lbs.; locomotive, 1; cars, 2; located in Erie Co., Pa.; P. O. address, Tracy, Pa.

Pensacola and Andalusia RR. Owned by Skinner & McDavid; 13 miles; gauge, 3 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 22; capital stock, $200,000 ($60,000); cost of road and equipment to date, $60,000; located in Santa Rosa Co., Fla.; E. F. Skinner, Pres., J. McDavid, Vice-Pres., Escambia Fla.; E. W. Minifer, Treas., Pensacola, Fla.; E. H. Skinner, Sec, Jno. McDavid, Supt., R. E. Lewis, Chf. Eng., E. F. Skinner, Pur. Agt., Escambia, Fla.

Pensacola and Mobile RR. Owned by Muscogee Lumber Co.; 14 miles; gauge, 4 ft. 9½ in.; rail (iron), 50 lbs.; locomotive, 1; cars, 20; located in Baldwin Co., Fla.; P. O. address, Pensacola, Fla.

Perdido Pole Road. Owned by Wallace, Sanford & Co.; 5 miles; gauge, 5 ft.; locomotive, 1; cars, 6; located in Escambia Co., Ala.; P. O. address, Wilson, Ala.

Perkins Manufacturing Co. Owners of 5 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 40 lbs.; locomotives, 2; cars, 8; located in Washington Co., Ga.; P. O. address, Augusta, Ga.

Perry-Pearson Co. Owners of 3¾ miles of railroad; P. O. address, Manistique, Mich.

Pharr & Williams. Owners of 2 miles of railroad; gauge, 4 ft. 8½ in.; rail (iron), 60 lbs.; locomotive, 1; located in St. Mary's Parish, La.; P. O. address, Pattersonville, La.

Pike, C. W. & Co. Owners of 12 miles of railroad; gauge, 5 ft.; rail (iron), 25 to 40 lbs.; locomotive, 1; cars, 6; located in Appling Co., Ga.; P. O. address, Prentiss, Ga.

Pierce Lumber Co. Owners of 2 miles of railroad; gauge, 4 ft. 8½ in.; cars, 2; located in Saline Co., Ark.; P. O. address, Alexander, Ark.

Piney Run RR. Owned by Geo. S. Young; 6 miles; gauge, 3 ft.; rail (iron), 16 lbs.; locomotive, 1; cars, 6; located in Somerset Co., Pa; P. O. address, Boynton, Pa.

Piney Woods Central RR. Owned by L. J. Hand; 4½ miles; gauge, 3 ft. 6 in; locomotive, 1; cars, 6; located in Chilton Co., Ala.; P. O address, Jemison, Ala.

Pineville and Prairie Farm RR. 8 miles; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 7; located in Polk Co., Wis.; P. O. address, Pineville, Wis.

Plummer Logging Co. 9 miles of railroad operated by C. H. Plummer; P. O. address, East Saginaw, Mich.

Poitevent and Favre's East Louisiana RR. Owned by John Poitevent & Joseph A. Favre; 20 miles; gauge, 4 ft. 8 in.; rail (steel), 35 lbs.; locomotives, 2; cars, 50; located in St. Tammany Parish, La.; P. O. address, Pearlington, Miss.

Pond City, Centreville and Northern RR. Owned by Morrison, Decker & Co.; 4½ miles; gauge, 3 ft.; rail (steel), 12 lbs.; locomotive, 1; cars, 5; located in Jackson Co., Ark.; P. O. address, Newport, Ark.

Portage Lake and Manistee River RR Owned by Salling, Hanson & Co.; gauge, 3 ft. 1 in.; rail (steel), 20 lbs.; locomotive, 1; cars, 24; capital stock, $340,000; P. O address, Grayling, Mich.

Portage Lake RR. Owned by Blodgett & Byrnes; 16 miles; gauge, 3 ft.; rail (steel), 30 lbs.; locomotives, 2; cars, 45; cost of road and equipment, $80,000; P. O. address, Muskegon, Mich.

Potts, J. R., Salt and Lumber Co. Owners of 30 miles of railroad; gauge, 3 ft.; rail (steel), 30 lbs.; locomotives, 5; cars, 90; located in Oscoda Co., Mich.; P. O. address, Detroit, Mich.

Pratt Saw Mill Co. Owners of 9 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 35 to 45 lbs.; locomotive, 1; cars, 9; located in Chilton Co., Ala.; P. O. address, Verbena, Ala.

Puget Sound and Gray's Harbor RR. Owned by Port Blakely Mill Co.; 8 miles; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 20; located in Mason Co., Wash. Terr.; P. O. address, Kamiche, Wash. Terr.

Puget Sound Shore RR. 25 miles; gauge, 4 ft. 8½ in.; rail (steel), 56 lbs.; locomotives, 2; cars, 12; located in King Co., Wash. Terr.; P. O. address, Seattle, Wash. Terr.

Ramey, D. K. Owner of 3 to 5 miles of railroad; gauge, 3 ft. 6 in.; rail (iron), 16 lbs.; locomotive, 1; cars, 2; located in Clearfield Co., Pa.; P. O. address, Ramey, Pa.

Randall, Jno. B. Owner of 1¾ miles of railroad; gauge, 3 ft.; cars, 4; located in Shelby Co., Ala.; P. O. address, Monterallo, Ala.

Reno Line RR. Owned by Wheeler & Dusenbury; [illegible]: gauge, 4 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 5; located in Forest Co., Pa.; P. O. address, East Hickory, Pa.

Reppardia and Buffalo RR. Owned by H. T. Kennon & Co. 13 miles; gauge, 5 ft.; rail (iron), 35 lbs.; locomotives, 2; cars, 14; located in Pierce Co., Ga.; P. O. address, Hoboken, Ga.

Rice, J. S. & W. M. Owners of 4½ miles of railroad; gauge, 3 ft.; rail (iron), 50 lbs.; locomotive, 1; cars, 6; located in Tyler Co., Tex.; P. O. address, Hyatt, Tex.

Richardson, M. & G. W. Owners of 3 miles of railroad; gauge, 7 ft. 2 in.; locomotive, 1; cars, 4; located in Placer Co., Cal.; P. O. address, Truckee, Cal.

Robeline and Sabine Pass RR. 4 miles; gauge, 3 ft.; rail (iron), 25 lbs.; locomotive, 1; cars, 17; located in Natchitoches Parish, La.; P. O. address, Provençal, La.

Robinson, Geo. W. Owner of 10 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 20; located in Baldwin Co., Fla.; P. O. address, Millview, Fla.

Roger's Run RR. Owned by A. O. Donnell; 1½ miles; gauge, 4 ft. 8 in.; cars, 2; located in Jefferson Co., Pa.; P. O. address, Fullers, Pa.

Rolfe and Forest City RR. Owned by Willard White & Henry Bayard; 7 miles; gauge, 4 ft. 8 in.; rail (iron), 60 lbs.; locomotive, 1; cars, 6; located in Elk Co., Pa.; P. O. address, Wilcox, Pa.

Rountree & Garbutt. Owners of 8 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 30 and 40 lbs.; locomotives, 2; cars, 6; located in Emanuel Co., Ga.; P. O. address, Midville, Ga.

Rowland, W. W. Owner of 17 miles of railroad; gauge, 5 ft.; rail (iron), 60 lbs.; locomotives, 2; cars, 20; located in Sumter Co., S. C.; P. O. address, Magnolia, S. C.

Ruddock, Nuttal & Co. Owners of 4¾ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 10; located in Manistee Co., Mich.; P. O. address, Manistee, Mich.

Rumsey Lumber Co. Owners of 3 miles of railroad; gauge, 3 ft. 1 in.; rail (iron), 25 lbs.; locomotive, 1; cars, 20; located in Newaygo Co., Mich.; P. O. address, Big Rapids, Mich.

Russell, J. A. & Co. Owners of 1½ miles of railroad; gauge, 6 ft.; cars, 2; located in Crawford Co., Pa.; P. O. address, Steamburgh, Pa.

Ryerson, Hills & Co. Owners of 2¾ miles of railroad; gauge, 4 ft. 8 in.; locomotive, 1; cars, 24; located in Newaygo Co., Mich.; P. O. address, Muskegon, Mich.

Salineville Branch RR. Co. James Farmer, Supt., Cleveland, O.

Salliotte & Chittenden. Owners of 4 miles of railroad; gauge, 4 ft. 8½ in.; rail (iron), 20 lbs.; locomotive, 1; cars, 6; located in Gratiot Co., Mich.; P. O. address, Ecorse, Mich.

Salmon Creek RR. Owned by L. E. White; 10 miles; gauge, 3 ft.; rail (iron), 35 lbs.; locomotives, 2; cars, 35; located in Mendocino Co., Cal.; P. O. address, Whitesboro, Cal.

Sands, Louis. Owner of 6 miles of railroad; gauge, 3 ft. 2 in.; locomotive, 1; cars, 16; located in Manistee Co., Mich.; P. O. address, Manistee, Mich.

Satsop RR. 14 miles; gauge, 4 ft. 8½ in.; rail (steel), 40 lbs.; locomotives, 2; cars, 20; located in Mason Co., Wash. Terr.; J. R. McDonald, Pres., Seattle, Wash. Terr.; C. F. White, Vice-Pres., Sec. & Gen. Man., Shelton, Wash. Terr.; A. Mackintosh, Treas., Seattle, Wash. Terr.; P. O. address, Shelton, Wash. Terr.

Sawyer & Son. Owners of 1½ miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 2; located in Polk Co., Tex.; P. O. address, Livingston, Tex.

Sawyer River RR. 6 miles; gauge, 4 ft. 8 in.; locomotive, 1; cars, 20. Capital stock, authorized, $300,000; paid in, $50,000; located in Grafton Co., N. H.; P. O. address, Livermore, N. H.

Schlosser & Tighe. Owners of 1¼ miles of railroad; car, 1; located in Schoolcraft Co., Mich.; P. O. address, Thompson, Mich.

Scranton and Summonsville RR. 4 miles; gauge, 4 ft. 9 in.; locomotive, 1; cars, 5; located in Williams, Clarendon and Sumter Cos., S. C.; P. O. address, Scranton, S. C.

Seven Oaks Timber Road. Owned by C. M. Fisher; 4 miles; gauge, 3 ft.; locomotive, 1; cars, 3; located in San Jacinto, Tex.; P. O. address, Seven Oaks, Tex.

Sheriden Mining Co.'s RR. P. O. address, General Sheriden Coal Works, O.

Sierra Lumber Co. Owners of 11 miles of railroad; gauge, 3 ft. 3½ in.; rail (iron), 30 lbs.; locomotives, 2; cars, 8; located in Tehama Co., Cal.; P. O. address, San Francisco, Cal.

Simmons, Dennis. Owner of 4 miles of railroad;

gauge, 3 ft.; cars, 4; located in Martin Co., N. C.; P. O. address, Williamston, N. C.

Sinnamahong Valley RR. See List No. 1.

Sisson & Lilley Lumber Co. Owners of 7 miles of railroad; gauge, 4 ft. 9 in.; rail (steel), 25 lbs.; locomotive, 1; cars, 12; located in Newaygo Co., Mich.; P. O. address, Lilley, Mich.

Slate Run RR. See List No. 1.

Smith, H. R. (estate). Owner of 3 miles of railroad; gauge, 3 ft.; locomotive, 1; cars, 3; located in Upshur Co., Tex.; P. O. address, Bettie, Tex.

Smith Lumber Co. P. O. address, Kalkaska, Mich.

Smith & Marbury. Owners of 7½ miles of railroad; gauge, 3 ft. 2 in.; rail (iron), 35 lbs.; locomotives, 2; cars, 13; located in Autauga Co., Ala.; P. O. address, Boseman, Ala.

Smoake Tramway Co. Owned by E. T. R. Smoake, John S. Smoake, & D. W. Smoake; 6 miles; gauge, 3 ft.; locomotive, 1; cars, 5; located in Orangeburg Co., S. C.; P. O. address, Branchville, S. C.

Snow Snoe and Little Sandy RR. Owned by Byers, Hopkins & Co.; 3 miles; rail (steel), 25 lbs.; locomotive, 1; cars, 14; located in Centre Co., Pa.; P. O. address, Lock Haven, Pa.

South Range Narrow Gauge RR. Owned by Neuers & Staples; 2 miles; gauge, 3 ft; cars, 10; located in Douglas Co., Wis.; P. O. address, South Range, Wis.

Sowell, C. T. & Co. Owners of 5 miles of railroad; locomotive, 1; located in Coosauh Co., Ala.; P. O. address, Wallace, Ala.

Spencer Bros. Owners of 1 mile of railroad; locomotive, 1; cars, 2; located in Telfair Co., Ga.; P. O. address, Lumber City, Ga.

Spring Creek Logging Co. RR. Owned by the Kyle Lumber Co.; 6 miles; gauge, 3 ft.; locomotive, 1; cars, 6; located in Cherokee Co., Ala.; P. O. address, Gadsden, Ala.

Staples & Covell. Owners of 4 miles of railroad; gauge, 3 ft.; rail (iron), 18 lbs.; locomotive, 1; cars, 12; located in Newaygo Co., Mich.; P. O. address, White Cloud, Mich.

St. Elmo and Cole Creek RR. Owned by Wm. Otis; 3½ miles and 6 miles; cars, 12; located in Mobile, Ala.; P. O. address, Mobile, Ala.

St. Helen, Houghton Lake and Western RR. Owned by Hy. Stephens & Co.; 8 miles; gauge, 4 ft. 8½ in.; rail (iron), 30 lbs.; locomotives, 2; cars, 45; located in Roscommon Co., Mich.; P. O. address, St. Helen, Mich.

St. John's RR. Owned by A. W. Taylor & Co.; 10 miles; gauge, 3 ft.; rail (iron), 25 lbs.; locomotives, 2; cars, 20; located in Berkeley Co., S. C.; P. O. address, Summerville, S. C.

St. Lawrence Boom and Manufacturing Co. Owners of 6 miles of railroad; gauge, 3 ft. 6 in.; locomotive, 1; cars, 16; located in Pocahontas Co., W. Va.; P. O. address, Ronceverte, W. Va.

Steele, Wm. Owner of 14½ miles of railroad; gauge, 3 ft.; locomotives, 2; cars, 34; located in Montcalm Co., Mich.; P. O. address, Wyman, Mich.

Stimson, T. D. Owner of 7 miles of railroad; gauge, 3 ft.; rail (steel, 4 miles), 30 lbs.; locomotives, 2; cars, 35; cost of road and equipment, $40,000; P. O. address, Muskegon, Mich.

Stimson, Ulner. Owner of 1½ miles of railroad; gauge, 3 ft.; car, 1; located in Snohomish Co., Wash. Terr.; P. O. address, Snohomish, Wash. Terr.

Suffolk and Carolina RR. See List No. 1.

Suffolk Lumber Co. RR. See List No. 1.

Sulphur Lumber Co. Narrow Gauge RR. Owned by Sulphur Lumber Co.; 5 miles; gauge, 3 ft.; rail (iron), 30 lbs.; locomotive, 1; cars, 5; P. O. address, Sulphur Station, Tex.

Sumner Lumber Co. Owners of 2½ miles; gauge, 5 ft.; cars, 2; located in Pierce Co., Wash. Terr.; P. O. address, Sumner, Wash. Terr.

Surry, Sussex and Southampton RR. 45 miles; gauge, 3 ft.; rail (steel), 35 lbs.; locomotives, 2; cars, 30; located in Surry, Sussex and Southampton Cos., Md.

Sykes & Caflisch. Owners of 2 miles of railroad; gauge, 3 ft.; rail (iron and steel), 16 lbs.; cars, 10; located in Elk Co., Pa.; address, St. Mary's, Pa.

Talladega and Coosa Valley RR. See List No. 1.

Taylor Lumber RR. 6 miles; gauge, 4 ft. 9 in.; locomotive, 1; cars, 6; located in Edgecomb Co., N. C.; P. O. address, Whitaker, N. C.

Terry, W. T. Owner of 12 miles of railroad; gauge, 5 ft.; cars, 4; located in Echols Co., Ga.; P. O. address, Valdosta, Ga.

Texarkana and Northern RR. Owned by Bowie Lumber Co.; 10 miles; gauge, 4 ft. 9 in.; rail (iron), 38 lbs.; locomotive, 1; cars, 10; located in Bowie Co., Tex.; P. O. address, Texarkana, Ark.

The Arthurs Coal and Lumber Co. Owners of 4 miles of railroad; gauge, 4 ft. 9 in.; rail (iron), 25 lbs. and 35 lbs.; locomotive, 1; cars, 8; located in Cameron Co., Pa.; P. O. address, Pittsburgh, Pa.

The Cashi and Chowan RR. and Lumber Co. Owned by Greenleaf, Johnston & Son; 30 miles; gauge, 3 ft. 6 in.; rail (steel), 25 lbs.; locomotives, 3; cars, 54; located in Bertie and Chowan Cos., N. C.; P. O. address, Howard, N. C.

The Hern Lumber Co. Owners of 1½ miles of railroad; gauge, 3 ft.; cars, 2; located in Putnam Co., W. Va.; P. O. address, Scott's Depot, W. Va.

The Kirby Carpenter Co. Owners of 2½ miles of railroad; rail (steel), 20 lbs.; use horses; cars, 12; located in Iron Co., Mich.; P. O. address, Menominee, Mich.

The Missouri Lumber and Mining Co. Owners of 4 miles of railroad; gauge, 4 ft. 8½ in.; rail (iron), 35 lbs.; locomotive, 1; cars, 20; located in Carter and Ripley Cos., Mo.; P. O. address, Mill Springs, Mo.

The Tennessee Central RR. 12 miles; gauge, 3 ft.; rail (iron), 40 lbs.; locomotive, 1; cars, 23; located in Rhea and Cumberland Cos., Tenn.; P. O. address, Spring City, Tenn.

Thomas, Herbert. Owner of 3½ miles of railroad; P. O. address, Chase, Mich.

Thomas Log and Lumber RR. Owned by M. J. Thomas & Co.; 7 miles; gauge, 3 ft.; cars, 15; located in Montcalm Co., Mich.; P. O. address, McBride, Mich.

Thompson, A. Owner of 5½ miles of railroad; gauge, 4 ft. 8½ in.; locomotive, 1; cars, 13; located in Elk Co., Pa.; P. O. address, Ridgway, Pa.

Thompson & Tucker. Owners of 7 miles of railroad; gauge, 3 ft; rail (iron), 30 lbs.; locomotive, 1; cars, 5; located in Trinity Co., Tex.; P. O. address, Trinity, Tex.

Tift, H. H. Owner of 12 miles of railroad; gauge, 5 ft.; rail (steel), 35 lbs.; locomotives, 2; cars, 12, located in Berrien Co., Ga.; P. O. address, Tifton, Ga.

Tilley, H. L. & Bro. Owners of 2 miles of railroad; gauge, 3 ft. 6 in.; cars, 2; located in Halifax Co., N. C; P. O. address, Tillery, N. C.

Tittabawassee and Hope RR. Owned by Wright & Ketcham; 32 miles; gauge, 3 ft.; locomotives, 3; cars, 96; located in Midland Co., Mich.; P. O. address, East Saginaw, Mich.

Tobyhanna and Lehigh Lumber Co. Owners of 5 miles of railroad; gauge, 3 ft.; cars, 10; located in Monroe Co., Pa.; P. O. address, Tobyhanna Mills, Pa.

Towle Bros. & Co. Owners of 20 miles of railroad; gauge, 3 ft.; locomotives, 4; cars, 60; located in Placer Co., Cal.

Truckee Lumber Co. Owners of 2½ miles of railroad; gauge, 3 ft. 4 in.; rail (iron), 16 lbs.; locomotive, 1; cars, 2; located in Placer Co., Cal.; P. O. address, Truckee, Cal.

Turner & Oates. Owners of 7 miles of railroad; gauge, 5 ft. 2 in.; rail (iron), 16 lbs.; locomotive, 1; cars, 6; located in Washington Co., Ala.; P. O. address, Mobile, Ala.

Ultima Thule, Arkadelphia and Mississippi River RR. Owned by the Arkadelphia Lumber Co.; opened in 1887; 11 miles; gauge, 4 ft. 8½ in.; rail (iron), 35 lbs.; locomotive, 1; cars, 18; capital stock authorized, $1,500,000; paid up, $100,000; cost of road and equipment, $100,000; location, Arkadelphia to Delark, Ark.; R. W. Huie, Pres., J. R. Dale, Vice-Pres., R. R. Ross, Treas. & Sec., C. C. Henderson, Supt., B. C. Montgomery, Chief Eng., Arkadelphia, Ark.

Union River Logging RR. 6 miles; gauge, 4 ft. 8½ in.; rail (steel), 45 lbs.; locomotive, 1; cars, 10; located in Mason Co., Wash. Terr.; capital stock (paid up), $50,000; Cyrus Walker, Pres., Puget Mills Co., Treas., E. G. Ames, Sec., Port Gamble, Wash. Terr.; P. O. address, Port Gamble, Wash. Terr.

Upham Manufacturing Co. Owners of 3 miles of railroad; gauge, 4 ft. 8 in.; locomotive, 1; cars, 15; located in Marathon and Clark Cos., Wis.; W. H. Upham, Pres., M. H. Wheeler, Sec., W. B. Baker, Treas.; P. O. address, Marshfield, Wis.

Van Wert and Paulding RR. Owned by Geo. H. Marsh; 10 miles; gauge, 3 ft.; rail (iron), 30 lbs.; locomotives, 2; cars, 17; located in Van Wert Co., O.; P. O. Address, Van Wert, O.

Varner Branch RR. Owned by E. Urquhart & B. W. Green; 5 miles of road; gauge, 4 ft. 8½ in.; rail (iron), 35 lbs.; locomotive, 1; cars, passenger, 1, bag-

gage, 1, freight, 4—total, 6; capital stock, authorized, $35,000; paid in, $35,000; cost of road and equipment, $25,000; located in Lincoln Co., Ark.; P. O. address, Cummins, Ark.

Texas Tram and Lumber Co. 15 miles; gauge, 3 ft.; rail (iron), 35 lbs.; locomotives, 4; cars, 50; located in Hardin Co., Tex.; capital stock (paid up), $355,000; W. A. Fletcher, Pres., I. W. Keith, Vice-Pres., S. F. Cortis, Sec., J. L. Keith, Treas.; P. O. address, Beaumont, Tex.

Vinegar Central RR. Owned by St. Louis Refrigerator and Wooden Gutter Co.; 5 miles; gauge, 3 ft.; rail (iron), 35 lbs.; locomotive, 1; cars, 8; located in Clark Co., Ark.; P. O. address, Gurdon, Ark.

Wadley & Co. Owners of 18 miles of railroad; gauge, 4 ft. 8½ in.; rail (iron), 40 lbs.; locomotives, 3; cars, 16; located in Burke and Emanuel Cos., Ga.; P. O. address, Rogers, Ga.

Wadsworth, W. W. Owner of 5 miles of railroad; gauge, 3 ft.; rail (iron), 30 lbs.; locomotives, 2; cars, 6; located in Autauga Co., Ala.; P. O. address, Wadsworth, Ala.

Wajenhorst, J. J. Owner of 2 miles of railroad; gauge, 2 ft. 6 in.; cars, 4; located in Wayne and Julian Cos., Pa.; P. O. address, Gouldsboro, Pa.

Waluskie RR. Owned by J. C. Trullinger; 2 miles; gauge, 4 ft. 8½ in.; rail (iron), 56 lbs.; locomotive, 1; cars, 4; located in Clatsop Co., Ore.; cost of road and equipment, $30,000; J. C. Trullinger, Pres., T. O. Trullinger, Treas., S. G. Trullinger, Sec., Astoria, Ore.

Wall, J. J. Owner of 6 miles of railroad; gauge, 5 ft.; rail (iron), 40 lbs.; locomotive, 1; cars, 10; located in Lowndes Co., Ga.; P. O. address, Haines, Ga.

Ware & Tucker. Owners of 3 miles of railroad; P. O. address, Grand Rapids, Mich.

Warren & Adams. Owners of 3 miles of railroad; gauge, 3 ft.; rail (iron), 16 and 24 lbs.; locomotive, 1; cars, 10; located in Shelby Co., Ala.; P. O. address, Long View, Ala.

Warren Creek RR. Owned by Minor, Kirk & Co.; 2 miles; gauge, 4 ft. 9 in.; rail (steel), 40 lbs.; locomotive, 1; cars, 4; located in Humboldt Co., Cal.; P. O. address, Arcata, Cal.

Warren Lumber Co. Owners of 2 miles of railroad; gauge, 3 ft.; rail (iron), 56 lbs.; locomotive, 1; cars, 4; located in Tyler Co., Tex.; P. O. address, Warren, Tex.

Washington Mill Co. Owners of 2 miles of railroad; gauge, 9 ft.; car, 1; located in Jefferson Co., Wash. Terr.; P. O. address, Seabeck, Wash. Terr.

Washougal RR. W. H. Chaney, Vice-Pres., Portland, Ore.

Weatherbee, C. P. & Bros. Owners of 4 miles of railroad; rail (iron), 56 lbs.; locomotive, 1; cars, 8; located in Wayne Co., Miss.; P. O. address, Waynesboro, Miss.

Weigel & Co. Owners of 2 miles of railroad; gauge, 4 ft.; rail (iron), 36 lbs.; cars, 2; located in Clarion Co., Pa.; P. O. address, Vowinckel, Pa.

Welch & Bro. Owners of 6 miles of railroad; gauge, 3 ft. 4 in.; rail (iron and steel), 20 and 30 lbs.; locomotive, 1; cars, 6; located in Chilton Co., Ala.; P. O. address, Plantersville, Ala.

Wesson & Money. Owners of 6 miles of railroad; gauge, 3 ft.; rail (iron), 20 and 58 lbs.; locomotive, 1; cars, 10; located in Lincoln Co., Miss.; P. O. address, Bogue Chitto, Miss.

West Branch RR. 14 miles; gauge, 4 ft. 9 in.; rail (iron), 60 lbs.; locomotives, 2; cars, 15; located in McKean Co., Pa.; P. O. address, Bradford, Pa.

West Branch RR. Owned by Thayer Lumber Co.; 9 miles; rail (steel), 20 lbs.; gauge, 3 ft.; locomotives, 2; cars, 40; located in Missaukee Co., Miss.; P. O. address, Muskegon, Mich.

West Branch and Moorestown RR. See List No. 1.

Western RR. of Florida (Branch of). Owned by Dexter Hunter and Budington & Wilson; 18 miles; gauge, 2 ft. 8 in.; rail (iron), 35 lbs.; locomotive, 1; cars, 22; located in Clay Co., Fla.; P. O. address, Green Cove Springs, Fla.

West Michigan Lumber Co. Owners of 9 miles of railroad; gauge, 3 ft.; rail (iron), 20 lbs.; locomotives, 3; cars, 12; located in Newaygo Co., Mich.; P. O. address, Muskegon, Mich.

Weston, S. R. & J. D. Owners of 5 miles of railroad; gauge, 5 ft.; rail (iron), 30 and 35 lbs.; locomotive, 1; cars, 3; located in Coffee Co., Ga.; P. O. address, Westonia, Ga.

Wetumpka Lumber Co. Owners of 2 miles of railroad; gauge, 5 ft.; cars, 2; located in Coosa Co., Ala.; P. O. address, Wetumpka, Ala.

White, Friant & Letellier. Owners of 5 miles of railroad; gauge, 3 ft.; rail (iron), 25 lbs.; locomotives, 2; cars, 20; located in Osceola Co., Mich.; P. O. address, Leroy, Mich.

White, J. J. Owner of 12 miles of railroad; gauge, 3 ft.; rail (steel and iron), 30 and 35 lbs.; locomotives, 2; cars, 20; located in Harrison Co., Miss.; P. O. address, McComb City, Miss.

Whitefield and Jefferson RR. See List No. 1.

Whitney & Johnson. Owners of 7 miles of railroad; gauge, 3 ft.; locomotives, 2; cars, 8; located in Pike Co., Miss.; P. O. address, Summit, Miss.

Whitney & Remick. Owners of 6 miles of railroad; P. O. address, Detroit, Mich.

Wildwood Logging Branch RR. Owned by E. S. Austin & D. M. Sabin; 4 miles; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotives, 2; cars, 23; located in St. Croix Co., Wis.; P. O. address, Wildwood, Wis.

Willard, W. F. Owner of 5 miles of railroad; P. O. address, Ferrysburg, Mich.

Williams, H. C. & Co. Owners of 5 miles of railroad; gauge, 5 ft.; rail (iron), 40 lbs.; locomotive, 1; cars, 3; located in Ware Co., Ga.; P. O. address, Duke, Ga.

Williams Mills and Little Black River RR. Owned by H. H. Williams; 10 miles; gauge, 3 ft. 6 in.; locomotive, 1; cars, 12; located in Clay Co., Ark.; P. O. address, Corning, Ark.

Williams Mills and State Line. Owned by H. H. Williams; gauge, 3 ft. 4 in.; locomotive, 1; cars, 10; located in Clay Co., Ark.; P. O. address, Moark, Ark.

Willingham, Black Lake and Isabella RR. Owned by Alford & Sloan; 4 miles; gauge, 4 ft. 8 in.; rail (iron), 60 lbs.; locomotive, 1; located in Worth Co., Ga.; P. O. address, Willingham, Ga.

Wilmington, Chadbourne and Conway RR. 38 miles; gauge, 4 ft. 9 in.; rail (iron), 56 lbs.; locomotives, 2; cars, 10; located in Columbus Co., N. C., and Horry Co., S. C.; P. O. address, Chadbourne, S. C.

Wilson, Fuller & Young. Owners of 2 miles of railroad; gauge, 3 ft. 8 in.; located in Ashtabula Co., O.; P. O. address, Phœnix, O.

Wilson, T. Owner of 8 miles of railroad; gauge, 5 ft.; locomotives, 2; cars, 8; located in Clarendon Co., S. C.; P. O. address, Ida, S. C.

Wilson, Luther & Wilson Logging RR. 9 miles; gauge, 3 ft.; rail (steel, 4 miles), 20 lbs.; locomotive, 1; cars, 18; estimated cost of road, $18,000; Wm. A. Luther, Pres., Robert M. Wilson, Vice-Pres., Luther, Mich.; David E. Wilson, Treas., Belding, Mich.

Wingleton and Wolf Lake RR. Owned by W. D. Wing & Co.; 10 miles; gauge, 3 ft.; locomotive, 1; cars, 6; located in Lake Co., Mich.; P. O. address, Wingleton, Mich.

Wolf and Wisconsin Rivers RR. Road runs from Post Lake to Lake Pratt, 16 miles; rail (steel), 35 lbs.; locomotives, 2; cars, 35; located in Lincoln and Forest Cos.; Geo. W. Pratt, Pres. & Treas., F. E. Worden, Sec., Oshkosh, Wis.

Woodard, O. J. Owner of 1½ miles of railroad; gauge, 5 ft.; car, 1; located in Oswego Co., N. Y.; P. O. address, Wingleton, Mich.

Wood County RR. Owned by Henry Sherry and Sherry, Willard & Co.; 15 miles; gauge, 4 ft. 9 in.; rail (iron), 35 lbs.; locomotives, 2; cars, 25; located in Wood Co., Wis.; Henry Sherry, Pres., Neenah, Wis.; G. W. Gerry, Vice-Pres., Appleton, Wis.; I. W. Cameron, Treas. & Sec., Vesper, Wis.; P. O. address, Vesper, Wis.

Wood Lake Logging RR. Owned by Fred. F. Taylor; 4 miles; gauge, 3 ft; rail (iron), 20 lbs.; locomotive, 1; cars, 20; located in Montcalm Co., Mich.; P. O. address, Wood Lake, Mich.

Woods, I. T. Owner of 5 miles of railroad; gauge, 4 ft. 9 in.; cars, 2; located in Williamsburgh Co., S. C.; P. O. address, Lake City, S. C.

Woodstock Mill RR. Owned by O. Osborn; Burton Lumber Co., lessee; 4 miles; gauge, 3 ft.; locomotive, 1; cars, 5; located in Baton Rouge Co., La.; P. O. address, Baton Rouge, La.

Wright, F. N. & Co. Owners of 2 miles of railroad; gauge, 3 ft.; rail (steel), 25 lbs.; locomotive, 1; cars, 8; located in Montcalm Co., Mich.; P. O. address, Stanton, Mich.

Wright, A. W. Lumber Co. Owners of 25 miles of railroad; gauge, 4 ft. 8 in.; rail (steel), 35 lbs.; locomotives, 3; cars, 60; located in Gladwin Co., Mich.; P. O. address, Saginaw, Mich.

Wrightsville Narrow Gauge RR. Owned by William Farrell; 7 miles; gauge, 3 ft.; rail (iron), 35 lbs.; loco-

motive, 1; cars, 6; located in Pulaski Co., Ark.; P. O. address, Little Rock, Ark.

Wyandotte Logging RR. Owned by Hearne Lumber Co. 5 miles; gauge, 2 ft. 7 in.; rail (iron), 30 lbs.; locomotive, 1; cars, 4; estimated cost of completed road, $12,000; located in Hot Springs and Grant Cos., Ark.; P. P. Hearne, Jr., Pres. and Treas., W. H. Miller, Jr., Vice-Pres., Jno. R. Wisdom, Sec.; P. O. address, Wyandotte, Ark.

Yellow River RR. Owned by Hy. Watson; 10 miles; locomotive, 1; cars, 6; located in Walton Co., Fla.; P. O. address, Crestview, Fla.

Zealand Valley RR. Owned by J. E. Henry; 6 miles; gauge, 4 ft. 8 in.; rail (iron), 58 lbs.; locomotives, 2; cars, 62; located in Coos and Grafton Cos., N. H.; P. O. address, Zealand, N. H.

Zeigler, W. H. Owner of 2¼ miles of railroad; gauge, 5 ft.; cars, 6; located in Elmore Co., Ala.; P. O. address, Deakville, Ala.

POOR & GREENOUGH,

Bankers.

As proprietors of

POOR'S MANUAL OF RAILROADS

we are in official correspondence with all Railroad Companies in the United States, thus affording unusual facilities for information regarding their securities.

RAILROAD BONDS A SPECIALTY.

☞ **Investment orders solicited and correspondence invited.**

34 WALL STREET,

NEW YORK.

GENERAL MANAGERS AND GENERAL SUPERINTENDENTS.

(11) Special List of General Managers and General Superintendents of all Railroads given in List No. 1.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Addison and North Pennsylvania Ry	F. M. Baker, G. S	Addison, N. Y.
Adirondack Ry	W. W. Durant, G. M	New York, N. Y.
" "	C. E. Durkee, G. S	" "
Albemarle and Raleigh RR	W. Walters, G. M	Wilmington, N. C.
" " "	J. F. Devine, G. S	" "
Albert Ry	G. A. Robinson, Man	Hillsboro, N. B.
Allegan and Lake Shore RR	William S. Dewing, Man	Kalamazoo, Mich.
Allegheny Valley RR	David McCargo, G. S	Pittsburgh, Pa.
Americus, Preston and Lumpkin RR	J. N. Bass, G. S	Americus, Ga.
Anglesea RR	E. Westcott, Supt	Camden, N. J.
Annapolis, Washington and Baltimore RR	John W. Brown, Man	Baltimore, Md.
Anniston and Atlantic RR	Thomas K. Scott, Supt	Anniston, Ala.
Antwerp and Paulding RR	E. C. Munson, G. M	Antwerp, O.
Arizona Narrow Gauge RR	W. W. Walker, G. M	Tucson, Ariz.
Arizona and New Mexico Ry	W. H. Jones, G. S	Clifton, Ariz.
Arkansas and Louisiana Ry	J. D. Beardsley, G. M	Washington, Ark.
Arkansas Midland RR	A. H. Johnson, G. M	Helena, Ark.
" " "	J. B. Johnson, G. S	" "
Arkansas Valley Route	Henry Wood, G. M	Little Rock, Ark.
" "	A. L. Horner, Supt	" "
Ashland Coal and Iron Ry	D. Putnam, Jr., G. S. & G. M	Ashland, Ky.
Atchison, Topeka and Santa Fé RR	C. W. Smith, G. M	Topeka, Kan.
" " "	J. F. Goddard, Asst. G. M	" "
Atlantic Coast Line	J. F. Devine, G. S	Wilmington, N. C.
" "	H. Walters, G. M	" "
Atlantic and Danville Ry	P. Fleetwood, G. M	Waverly, Va.
Atlantic and North Carolina RR	W. Dunn, Supt	New Berne, N. C.
Atlantic and Pacific RR	George L. Sands, Supt	Boston, Mass.
Augusta and Chattanooga RR	Clement A. Evans, G. M	Augusta, Ga.
Austin and Northwestern RR	A. N. Leitnaker, G. S	Austin, Tex.
Baie des Chaleurs Ry	L. J. Riopel, Man. Dir	Quebec, Que.
" "	J. F. Armstrong, Supt	Cross Point, Que.
Baltimore and Delaware Bay RR	Frederick Gerker, G. M	Philadelphia, Pa.
Baltimore and Ohio RR. (Main Stem)	D. Lee, G. S	Baltimore, Md.
Baltimore and Ohio RR. (Philadelphia Div.)	W. Irwin, Supt	Philadelphia, Pa.
Baltimore and Ohio RR. (Pittsburgh Div.)	J. V. Patton, Supt	Pittsburgh, Pa.
Bangor and Katahdin Iron Works Ry	Frank W. Cram, Supt	Bangor, Me.
Bangor and Piscataquis RR	Arthur Brown, G. S	" "
Bangor and Portland Ry.	C. Miller, G. M	Bangor, Pa.
Barclay Coal RR	R. T. Dodson, G. S	Barclay, Pa.
Batesville and Brinkley RR	W. J. Thompson, G. M	Little Rock, Ark.
Bath and Hammondsport RR	H. S. Stebbins, G. M	Hammondsport, N Y
Bay of Quinte Railway and Navigation Co	R. C. Carter, G. M	Deseronto, Ont.
Bear Lake and Eastern RR	M. J. Hopkins, Supt	Bearlake, Mich.
Bee Line	M. Beach, G. M	Cleveland, O.
Beech Creek RR	George J. Magee, G. M	Corning, N. Y.
" "	A. G. Palmer, Supt	Jersey Shore, Pa.
Bellaire and St. Clairsville Ry	C. W. Troll, G. M	St. Clairsville, O.
Bellaire, Zanesville and Cincinnati Ry	I. H. Burgoon, G. M	Zanesville, O.
Bells Gap RR	R. G. Ford, G. S	Bellwood, Pa.
Belt Railroad (and Stock Yard)	W. P. Ijams, Supt	Indianapolis, Ind.
Bennington and Glastenbury RR	Amos Aldrich, G. S	Bennington, Vt.
Birmingham, Selma and New Orleans Ry	Norman Webb, Supt	Selma, Ala.
Bishopsville RR	A. J. Atkins, Supt	Atkins, S. C.
Black Hills and Fort Pierre RR	Thomas J. Grier, Supt	Lead City, Dak.
Blue Springs, Orange City and Atlantic RR	S. B. Carter, G. S	Orange City, Fla.
Bodie and Benton Ry. and Commercial Co	Thomas Holt, G. S	Bodie, Cal.
Boston and Albany RR	Walter H. Barnes, G. M	Boston, Mass.
" " "	H. T. Galup, G. S	Springfield, Mass.
Boston, Hoosac Tunnel and Western Ry	C. A. Coombs, G. M	Mechanicsville, N. Y.
Boston and Lowell RR	Charles S. Mellen, G. S	Boston, Mass.
Boston and Maine RR	James T. Furber, G. M	" "
Boston and Providence RR	A. A. Folsom, Supt	" "
Boston, Winthrop and Shore RR	C. A. Hammond, Supt	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Bowling Green and Toledo RR	William A. Wiggins, G. M.	Bowling Green, O.
Bradford, Bordell and Kiuxus RR	John C. McKenna, Supt.	Bradford, Pa.
Bradford, Eldred and Cuba RR	John C. McKenna, Supt.	" "
Bridgeton and Saco River RR	J. A. Bennett, Supt	Bridgeton, Me.
Brighthope Ry	James R. Werth, Supt.	Richmond, Va.
Brooklyn, Bath and West End RR	John P. Heindell, G. S.	Brooklyn, N. Y.
Brooklyn Elevated RR	Frederic Martin, G. M	" "
Brooklyn, Flatbush and Coney Island Ry	J. L. Morrow, Supt	" "
Brooklyn and Rockaway Beach RR	William Warner, Supt.	Canarsie, N. Y.
Brunswick and Western RR	A. A. Gladdis, G. M.	Brunswick, Ga.
Buckley and Douglas RR	Edward Buckley, G. M.	Manistee, Mich.
" " "	William Douglass, Supt.	" "
Buffalo Creek RR	R. F. Goodman, Supt.	Buffalo, N. Y.
Buffalo, New York and Philadelphia RR	G. S. Gatchell, G. S.	" "
Buffalo, Rochester and Pittsburgh RR	J. T. Gardner, G. S	" "
Burlington, Cedar Rapids and Northern RR	C. J. Ives, G. S.	Cedar Rapids, Ia.
Burlington and Lamoille RR	G. L. Linsley, G. M. & Supt.	Burlington, Vt.
Burlington and Northwestern Ry	John T. Gerry, Supt.	Burlington, Ia.
Burlington and Western RR	John T. Gerry, Supt.	" "
Cadillac and Northeastern RR	E. W. Gerrish, Supt.	Cadillac, Mich.
Cairo, Vincennes and Chicago Line	M. A. McDonald, G. M.	Cairo, Ill.
" " " "	J. Caldwell, Supt.	Mt. Carmel, Ill.
California Southern RR	J. W. Victor, Supt.	S. Bernardino, Cal.
Camden, Gloucester and Mount Ephram Ry	Samuel Garwood, Supt	Williamstown, N. J.
Canada Atlantic RR	E. J. Chamberlin, G. M.	Ottawa, Ont.
Canadian Government Railways	C. Schrieber, G. M	" "
Canadian Pacific Ry	George Olds, Gen. Trf. Man.	Montreal, Que.
" " "	T. G. Shaughnessy, Asst. G. M.	" "
Canadian Pacific Ry. (Western Div.)	W. Whyte, G. S.	Winnipeg, Ont.
Canadian Pacific Ry. (Pacific Div.)	Harry Abbott, G. S	Vanconver, B. C.
Canton and Waynesburg RR	C. C. Cook, G. M.	Canton, O.
" " "	John Hadley, G. S.	" "
Cape Fear and Yadkin Valley Ry	J. W. Fry, G. S.	Greensboro, N. C.
Cape Girardeau Southwestern RR	Louis Houck, G. M.	Cape Girardeau, Mo.
" " "	William A. Penny, Supt.	" "
Cape May and Sewell's Point RR	Joseph H. Hanes, G. M.	Cape May, N. J.
" " "	Henry Edmunds, G. S.	" "
Caraquet Ry	K. F. Burns, G. M.	Bathurst, N. B.
" "	W. H. Chisholm, G. S.	" "
Carillon and Grenville RR	R. W. Shepherd, Jr., G. M	Montreal, Que.
" " "	John McGowan, G. S.	Carillon, Can.
Carthage and Adirondack Ry	C. B. Benson, G. M.	Carthage, N. Y.
" " "	E. A. Bond, Supt.	" "
Catasauqua and Fogleaville RR	C. W. Chapman, Supt.	Catasauqua, Pa.
Catskill Mountain RR	Charles A. Beach, Supt.	Catskill, N. Y.
Cedar Rapids and Marion Ry	William Elsom, Supt.	Cedar Rapids, Ia.
Central Iowa Ry	E. L. Dudley, G. M.	Marshalltown, Ia.
Central Ontario Ry	George W. Deuch, G. M	Trenton, Ont.
Central RR. of Geo gia	M. S. Belknap, G. M.	Savannah, Ga.
Central RR. of New Jersey	J. H. Ohlhausen, G. S.	Elizabeth, N. J.
Central Vermont RR	J. W. Hobart, G. M.	St. Albans, Vt.
" " "	J. M. Foss, G. S.	" "
Chagrin Falls and Southern RR	W. Hutchings, G. M.	Chagrin Falls, O.
" " "	A. C. Williams, G. S	" "
Charleston, Cincinnati and Chicago RR	R. A. Johnson, G. M.	Boston, Mass.
Chateaugay RR	A. L. Inman, G. M	Plattsburgh, N. Y.
" "	M. L. French, Supt.	" "
Chatham Branch Ry	J. B. Snowball, G. M.	Chatham, N. B.
Chattaroi Ry	Jay H. Northup, G. M.	Ashland, Ky.
Chautauqua Lake Ry	J. C. Williams, G. M.	Jamestown, N. Y.
Cheraw and Darlington RR	H. Walters, G. M.	Wilmington, N. C.
" " "	J. F. Devine, G. S.	" "
Cheraw and Salisbury RR	H. Walters, G. M	" "
" "	J. F. Devine, G. S.	" "
Cherry Valley RR	E. T. Herndon, Supt.	Midland, Mo.
Chesapeake and Nashville RR	Robert Meek, Supt.	Gallatin, Tenn.
Cheshire RR	R. Stewart, G. M. & Supt.	Keene, N. H.
Chicago and Alton RR	C. H. Chappell, G. M.	Chicago, Ill.
Chicago and Alton RR. (Chicago Div.)	A. M. Richards, Supt.	Bloomington, Ill.
Chicago and Alton RR. (Kansas City and St. Louis Div.)	S. D. Reeves, Supt.	Roodhouse, Ill.
Chicago and Atlantic Ry.	F. Broughton, G. M.	Chicago, Ill.
" " "	J. H. Parsons, Supt.	Huntington, Ind.
Chicago, Burlington and Northern RR	George B. Harris, Man.	St. Paul, Minn.
" " " "	W. H. Holcomb, G. S.	La Crosse, Wis.
Chicago, Burlington and Quincy RR	H. B. Stone, G. M.	Chicago, Ill.
" " " "	J. D. Besler, G. S.	" "
Chicago, Burlington and Kansas City RR	C. M. Levey, G. S.	Keokuk, Ia.
Chicago and Eastern Illinois RR	O. S. Lyford, G. M	Chicago, Ill.
Chicago, Fairchild and Eau Claire River RR	N. C. Foster, G. M.	Fairchild, Wis.
Chicago and Indiana Coal Ry	George C. Kimball, G. M	Chicago, Ill.
" " " "	A. A. Hobart, G. S	Attica, Ind.
Chicago and Iowa RR	H. D. Judson, G. S	Rochelle, Ill.
" " "	T. J. Potter, G. M.	Chicago, Ill.
Chicago, Iowa and Dakota RR	John Porter, G. M	Eldora, Ia.
Chicago, Kansas and Western RR	C. W. Smith, G. M.	Topeka, Kan.
Chicago, Madison and Northern RR	Edward T. Jeffery, G. M	Chicago, Ill.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Chicago, Milwaukee and St. Paul Ry	Roswell Miller, G. M.	Milwaukee, Wis.
" " " "	J. T. Clark, G. S.	" "
Chicago and Northwestern Ry	Marvin Hughitt, G. M.	Chicago, Ill.
" " "	C. C. Wheeler, G. S.	" "
Chicago and Ohio River RR	C. E. Henderson, G. M.	Indianapolis, Ind.
Chicago, Rock Island and Pacific Ry	R. R. Cable, G. M.	Chicago, Ill.
" " " "	H. F. Royce, G. S.	" "
Chicago, Santa Fé and California Ry	Norman Williams, G. M.	" "
" " " "	A. H. Crocker, Supt.	Streator, Ill.
Chicago and St. Louis RR	Norman Williams, G. M	Chicago, Ill.
" " "	A. H. Crocker, Supt.	Streator, Ill.
Chicago, St. Louis and Pittsburgh RR	James McCrea, G. M.	Pittsburgh, Pa.
Chicago, St. Paul, Minneapolis and Omaha Ry	J. M. Whitman, G. S.	St. Paul, Minn.
" " " " "	E. W. Winter, G. M.	" "
Chicago and Western Indiana RR	James D. Carson, G. M.	Chicago, Ill.
Chicago and West Michigan Ry	J. B. Mulliken, G. M.	Muskegon, Mich.
" " "	J. K. V. Agnew, G. S.	Grand Rapids, Mich.
Cincinnati, Columbus and Hocking Valley Ry	D. W. Riordan, Man.	Jeffersonville, O.
Cincinnati, Georgetown and Portsmouth Ry	Ralph Peters, G. M.	Cincinnati, O.
" " "	Thomas Taggart, Supt	" "
Cincinnati and Green River RR	George B. Harper, G. S. & R. M.	Yosemite, Ky.
Cincinnati, Hamilton and Dayton RR	C. C. Waite, G. M.	Cincinnati, O.
" " " "	Charles Neilson, Supt.	" "
Cincinnati, Hocking Valley and Huntington RR	John Karshner, G. M.	Adelphi, O.
Cincinnati, Indianapolis, St. Louis and Chicago RR	J. W. Sherwood, Supt	Indianapolis, Ind.
Cincinnati, Jackson and Mackinaw RR	J. M. C. Marble, G. M.	Van Wert, O.
Cincinnati, Lebanon and Northern Ry	George Hafer, G. M.	Cincinnati, O.
Cincinnati and Muskingum Valley Ry	F. G. Darlington, Supt.	Zanesville, O.
Cincinnati and Northwestern RR	Robert Simpson, G. M.	Cincinnati, O.
Cincinnati, Selma and Mobile Ry	Cecil Gabbett, G. M.	Montgomery, Ala.
Cincinnati and Southeastern Ry	J. E. French, G. M.	Cleveland, O.
" " " "	W. M. Sibley, Supt.	Flemingsburg, Ky.
Cincinnati, Wabash and Michigan Ry	N. Buckley, G. M.	Elkhart, Ind.
" " "	O. W. Lamport, Supt.	Wabash, Ind.
Cincinnati, Washington and Baltimore RR	J. H. Stewart, G. M.	Cincinnati, O.
Cincinnati and Westwood RR	M. Werk, G. S.	" "
Cincinnati, Wheeling and New York RR	E. C. Winstanley, G. M.	Cumberland, O.
Clarksburg, Weston and Glenville RR	A. H. Kunst, G. M.	Weston, W. Va.
Cleveland, Akron and Columbus RR	N. Monsarrat, G. M.	Akron, O.
Cleveland and Canton RR	H. A. Blood, G. M.	Boston, Mass.
" " "	J. W. Wardwell, Supt.	Cleveland, O.
Cleveland, Columbus, Cincinnati and Indianapolis Ry	G. M. Beach, G. M.	" "
Cleveland, Delphos and St. Louis RR	W. C. Mobley, G. M.	Delphos, O.
Cleveland, Lorain and Wheeling RR	Oscar Townsend, G. M.	Cleveland, O.
" " " "	William Thornburgh, Supt.	Lorain, O.
Cleveland and Marietta RR	A. T. Wikoff, G. M.	Cambridge, O.
Cleveland and Western RR	W. C. Mobley, G. M.	Delphos, O.
Clove Branch RR	C. L. Kimball, G. S.	Matteawan, N. Y.
Cobourg, Peterboro and Marmora Ry	James R. Barber, G. S.	Cobourg, Ont.
Colorado Midland Ry	D. B. Robinson, G. M.	Colorado Sp'gs, Col.
Columbia and Puget Sound RR	J. L. Howard, G. S.	San Francisco, Cal.
Columbus and Cincinnati Midland	S. P. Peabody, Supt.	Columbus, O.
Columbus and Eastern RR	F. J. Picard, G. M.	" "
" " "	S. J. Callaway, Supt.	" "
Columbus, Hocking Valley and Toledo Ry	W. M. Greene, G. M.	" "
" " " "	G. R. Carr, G. S.	" "
Columbus and Maysville Ry	James Q. Marshall, Supt.	Hillsboro, O.
Columbus and Rome Ry	W. L. Clark, G. M.	Columbus, Ga.
Columbus and Western Ry	E. A. Flewellen, G. M.	" "
Colusa and Lake RR	E. A. Harrington, G. S.	Colusa, Cal.
Concord RR	H. E. Chamberlin, G. S.	Concord, N. H.
Connecticut and Passumpsic Rivers RR	H. E. Folsom, Supt.	Londonville, Vt.
Connecticut River RR	John Mulligan, Supt.	Springfield, Mass.
Connecting Terminal RR	J. E. Payne, Man.	Philadelphia, Pa.
" " "	T. M. Moore, Supt.	Buffalo, N. Y.
Cooperstown and Susquehanna Valley RR	D. E. Siver, Supt.	Cooperstown, N. Y.
Cornwall RR	S. S. Neff, Supt.	Lebanon, Pa.
" "	E. C. Freeman, G. M.	Cornwall, Pa.
Coudersport and Allegheny RR	B. A. McClure, G. S.	Coudersport, Pa.
Council Bluffs and St. Louis Ry	Thomas McKissock, G. M.	Council Bluffs, Ia.
" " " "	A. E. Buchanan, Supt.	Stanberry, Mo.
Covington and Macon RR	B. W. Frobel, G. M.	Macon, Ga.
Cresson, Clearfield County and New York Short Route RR	John H. Boyts, G. M.	Pittsburgh, Pa.
Crooked Creek RR	Walter C. Willson, G. M.	Webster City, Ia.
Crown Point Iron Co.'s RR	A. L. Inman, G. M.	Plattsburgh, N. Y.
" " " "	J. M. Mann, G. S.	Crown Point, N. Y.
Crystal Ry	G. F. Neale, Supt.	Crystal City, Mo.
Cumberland Ry. and Coal Co	J. G. Aikman, Supt.	Parrsboro, N. S.
Cumberland and Pennsylvania RR	P. L. Burwell, G. S.	Cumberland, Md.
Cumberland Valley RR	J. F. Boyd, Supt.	Chambersburg, Pa.
Danbury and Norwalk RR	Henry A. Bishop, G. S.	Bridgeport, Ct.
Danville and New River RR	G. K. Griggs, G. S.	Danville, Va.
Dardanelle and Russellville RR	D. L. Bourland, G. S.	Dardanelle, Ark.
Dayton and Ironton RR	C. C. Waite, G. M.	Dayton, O.
" " "	J. E. Gimperling, Supt.	" "
Dayton and Toledo RR	C. E. Henderson, G. M.	Cincinnati, O.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Dayton and Toledo RR	J. E. Gimperling, G. S	Dayton, O.
Dayton and Union Ry	G. M. Beach, G. M	Cleveland, O.
Deerfield River Ry	John C. Newton, G. M	Holyoke, Mass.
Delaware Bay and Cape May RR	James Leaming, G. M	Cape May, N. J.
Delaware and Hudson Canal Co	H. G. Young, G. M	Albany, N. Y.
" " " "	C.D.Hammond, Su.No.RR.Dep.	" "
" " " "	R. Manville, Supt. Pa. Div	Carbondale, Pa.
Delaware, Lackawanna and Western RR	W. F. Halstead, G. M	Scranton, Pa.
Delaware River RR	K. H. Green, Supt	Pedrickton, N. J.
Denver Circle Road	Charles McIntosh, G. M	Denver, Col.
Denver and Rio Grande RR	R. E. Ricker, G. S	" "
Denver and Rio Grande Western Ry	D. C. Dodge, G. M	" "
" " " "	W. H. Bancroft, G. S	Salt Lake City, Utah.
Denver and Scranton Ry	Assyria Hall, Supt	Denver, Col.
Denver, Memphis and Atlantic Ry	D. J. Thayer, G. M	Wichita, Kan.
Denver, Texas and Gulf RR	B. W. Grover, Supt	Denver, Col.
Denver, Utah and Pacific RR	L. M. Fonts, G. S	" "
Des Moines and Fort Dodge RR	Charles N. Gilmore, Supt	Des Moines, Ia.
Des Moines, Osceola and Southern RR	Henry Stivers, G. S	Osceola, Ia.
Detroit, Bay City and Alpena RR	R. A. Alger, G. M	Detroit, Mich.
" " " "	Milo Eastman, G. S	E. Tawas, Mich.
Detroit, Grand Haven and Milwaukee Ry	W. J. Spicer, G. M	Detroit, Mich.
" " " "	A. B. Atwater, Supt	" "
Detroit, Lansing and Northern RR	J. B. Mulliken, G. M	" "
" " " "	Thomas M. Fish, G. S	Ionia, Mich.
Detroit, Mackinaw and Marquette RR	A. Watson, G. M	Marquette, Mich.
Duluth and Iron Range RR	R. H. Lee, Supt	Duluth, Minn.
Dunkirk, Allegheny Valley and Pittsburgh RR	Darwin Thayer, G. S	Dunkirk, N. Y.
East Alabama Ry	W. W. Barnes, Supt	Opelika, Ala.
East Broad Top RR	A. W. Sims, G. M. & Supt	Orbisonia, Pa.
East St. Louis and Carondelet Ry	Joseph Hill, G. S	St. Louis, Mo.
East St. Louis Connecting Ry	H. W. Gays, Man	" "
East Tennessee, Virginia and Georgia Ry	C. H. Hudson, G. M	Knoxville, Tenn.
East and West RR. of Alabama	T. J. Nicholl, G. M	Cedartown, Ga.
Eastern Kentucky RR	H. W. Bates, G. M	Greenup, Ky.
Eel River and Eureka RR	James Rogers, Supt	Eureka, Cal.
Elgin, Petitcodiac and Havelock Ry	A. E. Killam, G. M	Petitcodiac, N. B.
" " " "	J. A. Killam, G. S	" "
Elmira, Cortland and Northern RR	A. A. McLeod, G. M	Elmira, N. Y.
Emmittsburg RR	James A. Elder, G. M	Emmittsburg, Md.
Erie and Huron Ry	J. J. Ross, G. M	Sarnia, Ont.
Erie and Wyoming Valley RR	George B. Smith, Supt	Dunmore, Pa.
Eureka and Palisade RR	B. Gilman, G. S	Eureka, Nev.
Eureka Springs Ry	Powell Clayton, G. M	Eureka Springs, Ark.
Eutawville RR	I. W. Fowler, G. M	Eutawville, S. C.
Evansville and Terre Haute RR	W. D. Ewing, G. M	Evansville, Ind.
" " " "	M. Bowden, Supt	" "
Fall Brook Coal Co	George R. Brown, G. S	Corning, N. Y.
Ferro Monte RR	George Shaw, Supt	Mine Hill, N. J.
Fitchburg RR	John Adams, G. S	Boston, Mass.
Flint and Pere Marquette RR	H. C. Potter, G. M	E. Saginaw, Mich.
" " " "	Sanford Kuler, Supt	" "
Florida Ry. and Navigation Co	D. E. Maxwell, G. S	Jacksonville, Fla.
Florida Southern Ry	Sherman Conant, G. M	Palatka, Fla.
" " "	J. A. Larnard, Supt	" "
Fonda, Johnstown and Gloversville RR	Lawton Caten, Supt	Gloversville, N. Y.
Fort Wayne, Cincinnati and Louisville RR	W. Worthington, G. S	Fort Wayne, Ind.
Fort Worth and Denver City Ry	C. L. Frost, Supt	Fort Worth, Tex.
Franklin and Megantic RR	Philip H. Stubbs	Streng, Me.
Freehold and New York Ry	J. E. Ralph, Supt	Freehold, N. J.
Fremont, Elkhorn and Missouri Valley RR	W. F. Fitch, G. M	Missouri Valley, Ia.
" " " "	C. M. Lawler, G. S	" "
Fulton County Narrow Gauge RR	S. H. Mallory, G. M	Chariton, Ia.
" " " "	A. C. Atherton, G. S	Lewistown, Ill.
Galveston, Sabine and St. Louis Ry	Richard J. Evans, G. M	Longview, Tex.
Georgetown and Lane's RR	P. E. Twiggs, Supt	Georgetown, S. C.
Georgia RR	John W. Green, G. M	Augusta, Ga.
" "	S. A. Hemphill, Supt	" "
George's Creek and Cumberland RR	J. A. Millholland, G. M	Cumberland, Md.
Gettysburg and Harrisburg RR	W. H. Woodward, Supt	Carlisle, Pa.
Grafton and Greenbrier RR	G. M. Whitescarver, G. M	Grafton, W. Va.
Grafton Centre RR	George M. Newton, Supt	Grafton, Mass.
Grand Southern Ry. of New Brunswick	John N. Green, G. M	St. George, N. B.
" " " "	F. W. Holt, Supt	" "
Grand Tower and Carbondale RR	Joseph D. Peters, Supt	Carbondale, Ill.
Grand Trunk Ry. (System)	Joseph Hickson, G. M	Montreal, Can.
" " "	C. Stiff, Supt	Hamilton, Ont.
" " "	A. B. Atwater, Supt	Battle Creek, Mich.
Green Bay, Winona and St. Paul RR	Gavin Campbell, G. M	Green Bay, Wis.
Greenlick Narrow Gauge Ry	D. H. Pershing, G. S	Stauffer Station, Pa.
Greenwich and Johnsonville Ry	J. H. Thompson, Supt. & Man	Greenwich, N. Y.
Gulf, Colorado and Santa Fé Ry	Webster Snyder, G. M	Galveston, Tex.
Hancock and Calumet RR	C. A. Wright, G. M	Hancock, Mich.
Hannibal and St. Joseph RR	W. F. Merrill, G. M	St. Joseph, Mo.
" " " "	S. E. Crance, Supt	Brookfield, Mo.
Hanover Branch RR	E. Y. Perry, G. M	S. Hanover, Mass.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Harrisburg and Potomac RR	John E. Wootten, G. M.	Philadelphia, Pa.
" " "	R. H. Middleton, Supt.	Boiling Springs, Pa.
Hartford and Connecticut Valley RR	C. S. Davidson	Hartford, Ct.
Hecla and Torch Lake RR	W. A. Childs, G. M.	Calumet, Mich.
Herkimer, Newport and Poland (N. G.) Ry	Edward M. Burns, G. M	Middleville, N. Y.
Hibernia Mine RR	George Richards, G. M.	Dover, N. J.
Hobart and Manistee River RR	H. W. Marsh, Supt.	Hobart, Mich.
Hoosac Tunnel and Wilmington RR	John C. Newton, G. M.	Holyoke, Mass.
Hot Springs RR	J. Reynolds, G. M.	Chicago, Ill.
Housatonic RR	Henry A. Bishop, Supt.	Bridgeport, Ct.
Houston, East and West Texas Ry	J. C. Matthews, Supt.	Houston, Tex.
Humeston and Shenandoah RR	Erskine C. Murphy, G. M.	Clarinda, Ia.
Huntington and Broad Top Mountain RR	G. F. Gage, G. M.	Huntington, Pa.
Illinois Central System	E. T. Jeffery, G. M.	Chicago, Ill.
" " "	C. A. Beck, G. S.	" "
Indianapolis and St. Louis Ry	M. Maxwell, Supt.	Cleveland, O.
" " "	G. M. Beach, G. M.	" "
Indianapolis Union Ry	V. T. Mallot, G. M.	Indianapolis, Ind.
" " "	D. F. Whitcomb, Supt.	" "
Indiana, Bloomington and Western Ry	I. H. Wilson, G. S.	" "
Indiana, Illinois and Iowa RR	T. P. Shonts, G. M.	Kankakee, Ill.
" " " "	I. W. Adams, Supt.	" "
Indiana and Illinois Southern and Bloomfield Rys.	P. H. Blus, G. M	Sullivan, Ind.
Intercolonial Ry	C. Schrieber, G. M.	Ottawa, Ont.
" "	David Pottinger, Chief Supt.	Moncton, N. B.
Iowa Northern Ry	D. S. Couch, G. S.	Colfax, Ia.
Iron Railway	C. C. Clarke, G. M.	Ironton, Ia.
Irondale, Bancroft and Ottawa Ry	Charles J. Pusey, G. M.	Irondale, Ont.
Ironton RR	William Andrews, Supt.	Ironton, Pa.
Jacksonville Southeastern Ry	E. S. Greenleaf, G. S.	Jacksonville, Ill.
Jacksonville, Tampa and Key West Ry	G. W. Bentley, G. M.	Jacksonville, Fla.
Jacksonville and Atlantic Ry	Julius Hayden, Supt.	" "
Jacksonville and Washington RR	William Bissell, G. M.	Jamesville, N. C.
Joliet, Aurora and Northern Ry	H. L. Evans, Supt.	Chicago, Ill.
Kanawha and Coal River RR	A. M. Wooldredge, Supt.	Spring Hill, W. Va.
Kanawha and Ohio Ry	Thomas R. Sharp, G. M.	Charleston, W. Va.
Kansas City Belt Ry	D. K. Smith, Supt.	Kansas City, Mo.
Kansas City, Clinton and Springfield Ry	George H. Nettleton, G. M.	" "
" " " "	W. W. Fagan, Supt.	" "
Kansas City, Fort Scott and Gulf RR	George H. Nettleton, G. M.	" "
Kansas City, Gulf and Short Line RR	T. W. Clawson, G. S.	Tyler, Tex.
Kansas City, Memphis and Birmingham RR	George H. Nettleton, G. M.	Kansas City, Mo.
Kansas City, St. Joseph and Council Bluffs RR	W. F. Merrill, G. M.	St. Joseph, Mo.
" " " "	J. R. Hardy, Supt.	" "
Kansas City and Southern RR	William Bailey, G. M.	St. Louis, Mo.
Kansas City, Springfield and Memphis RR	George H. Nettleton, G. M.	Kansas City, Mo.
" " "	W. W. Fagan, Supt.	" "
Kansas City, Wyandotte and Northwestern RR	E. Summerfield, Supt.	Wyandotte, Kan.
Kansas, Nebraska and Dakota Ry	L. L. Bush, G. M.	Fort Scott, Kan.
Kent Northern Ry	John C. Brown, G. M.	Richibucto, N. B.
" " "	E. E. Phair, G. S	" "
Kentucky and South Atlantic RR	George B. Harper, G. S.	Mt. Sterling, Ky.
Kentucky Union RR	C. B. Lowry, Supt.	Clay City, Ky.
Kingston and Pembroke Ry	B. W. Folger, G. M. & Supt.	Kingston, Ont.
Lackawanna and Pittsburgh RR	W. H. Badger, G. S.	Angelica, N. Y.
Lac La Belle and Calumet RR	C. H. Palmer, G. S.	Delaware Mine, M.
Lake Champlain and Moriah RR	E. B. Hedding, Supt.	Port Henry, N. Y.
Lake County (Forest) RR	M. A. Neilan, Supt.	Ludington, Mich.
" " "	Thomas R. Lyon, G. M.	" "
Lake Erie, Alliance and Southern RR	E. E. Scranton, Supt.	Alliance, O.
Lake Erie and Western RR	George L. Bradbury, G. M.	Bloomington, Ill.
" " "	D. S. Hill, G. S.	" "
Lake Shore and Michigan Southern Ry	Edward Gallup, Asst. G. M.	Cleveland, O.
" " " "	P. P. Wright, G. S.	" "
Laurel Fork and Sand Hill RR	M. C. Church, G. M	Parkersburg, W. Va.
Leavenworth, Topeka and Southwestern Ry	C. W. Smith, G. M	Topeka, Kan.
Lehigh and Hudson River RR	Grinnell Burt, G. M.	Warwick, N. Y.
" " "	N. L. Furman, Supt.	" "
Lehigh Valley RR	H. S. Goodwin, G. S.	Bethlehem, Pa.
Ligonier Valley RR	T. A. Mellon, G. M.	Pittsburgh, Pa.
" "	George Senft, G. S.	Ligonier, Pa.
Little Rock and Fort Smith Ry	Henry Wood, G. M.	Little Rock, Ark.
" " "	A. L. Horner, Supt.	" "
Little Rock Junction Ry	Henry Wood, G. M.	" "
" " "	A. L. Horner, Supt.	" "
Little Rock, Mississippi River and Texas Ry	Henry Wood, G. M.	" "
" " " "	A. L. Horner, Supt.	" "
Little Saw Mill Run RR	T. Hartley, G. M.	Banksville, Pa.
Long Island RR	I. D. Barton, G. S.	Long Island City, N. Y
Los Angeles and San Gabriel Valley RR	S. P. Jewett, G. M.	Los Angeles, Cal.
Louisville, Evansville and St. Louis RR	George F. Evans, G. M.	Louisville, Ky.
" " " "	R. S. Miner, G. S.	New Albany, Ind.
Louisville and Nashville RR	J. T. Harahan, G. M.	Louisville, Ky.
Louisville, New Albany and Chicago Ry	John B. Carson, G. M.	Chicago, Ill.
" " " "	W. R. Woodard, G. S.	" "
Louisville, New Albany and Corydon Ry	C. B. Lowry, Supt.	Corydon, Ind.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Louisville, New Orleans and Texas Ry	James M. Edwards, G. M	Memphis, Tenn.
Louisville and Wadley Rlt	J. G. Cain, G. M	Louisville, Ga.
Maine Central RR	Payson Tucker, G. M	Portland, Me.
Manhattan Ry	F. K. Hain, G. M	New York, N. Y.
Manhattan, Alma and Burlingame Ry	C. W. Smith, G. M	Topeka, Kan.
Manitoba and Northwestern Ry	W. R. Baker, G. S	Port La Prairie, M.
Marietta, Columbus and Northern RR	R. E. Phillips, G. M	Marietta, O.
Marietta and North Georgia RR	E. C. Machen, G. M	New York, N. Y.
Marquette, Houghton and Ontonagon RR	John Hornby, G. M. & Supt	Marquette, Mich.
Marquette and Western RR	John Hornby, G. M	" "
Marshall, Paris and Northwestern Ry	H. H. Youree, G. M	Marshall, Tex.
Maryland Central RR	William Maslin, Supt	Baltimore, Md.
Mason City and Fort Dodge RR	James E. Smith, G. M	Mason City, Ia.
Mauch Chunk, Summit Hill and Switchback RR	T. L. Mumford, Lessee & Man	Mauch Chunk, Pa.
" " " " "	H. L. Mumford, Supt	" "
Meadville and Linesville Ry	T. A. Delamater, Supt	Meadville, Pa.
Meherrin Valley RR	D. S. Cherry, G. S	Hicksford, Va.
Memphis and Charleston RR	R. B. Pegram, Supt	Memphis, Tenn.
Memphis and Little Rock RR	Rudolph Fink, G. M	" "
Meriden and Cromwell RR	George Rockwell, G. M	Meriden, Ct.
" " "	H. L. B. Pond, Supt	" "
Michigan Central RR	H. B. Ledyard, G. M	Detroit, Mich.
" " "	E. C. Brown, G. S	" "
Middleburg and Schoharie RR	Peter S. Danforth	Middleburg, N. Y.
Midland Ry	H. Moore, G. S	Anderson, Ind.
Milford and Woonsocket RR	W. W. Jenckes, G. S	Milford, Mass.
Milwaukee, Lake Shore and Western Ry	H. F. Whitcomb, G. M	Kaukauna, Wis.
" " " "	J. Donohue, G. S	Milwaukee, Wis.
Milwaukee and Northern RR	C. F. Dutton, G. S	" "
Mineral Range RR	C. A. Wright, G. M	Hancock, Mich.
Minneapolis, Lyndale and Minnetonka Ry	C. G. Goodrich, G. M	Minneapolis, Minn.
" " " "	John McMullan, Supt	" "
Minneapolis and Pacific Ry	E. D. Underwood, G. M	" "
" " "	E. Pennington, Asst. Supt	" "
Minneapolis and St. Louis Ry	W. H. Truesdale, G. M	" "
" " "	E. T. Clarke, Supt	" "
Minneapolis, Sault Ste. Marie and Atlantic Ry	E. D. Underwood, G. M	" "
Minnesota and Northwestern RR	Raymond Dupuy	St. Paul, Minn.
Missouri, Iowa and Nebraska RR	H. F. Clark, G. M	Keokuk, Ia.
Missouri, Kansas and Texas Ry	H. H. Clark, G. M	St. Louis, Mo.
" " " "	William Kerrigan, G. S	" "
Missouri Pacific Ry	William Kerrigan, G. S	" "
" " "	H. H. Clark, G. M	" "
Mobile and Girard RR	W. L. Clark, Supt	Columbus, Ga.
Mobile and Ohio RR	M. R. Talcott, G. M	Mobile, Ala.
" " "	M. Sweeny, Supt	E. St. Louis, Ill.
Mobile and Spring Hill RR	F. Ingate, Supt	Mobile, Ala.
Moline and Southeastern RR	R. Battersby, G. M	Rock Island, Ill.
Monson RR	G. A. Matthews, G. M	Monson, Me.
Mont Alto RR	G. B. Wiestling, Supt	Mont Alto, Pa.
Montana Union Ry	N. T. J. Dana, G. M	Butte, Mont.
" " "	Charles Blackwell, Supt	" "
Montour RR	C. R. Brown, G. S	Imperial, Pa.
Montpelier and Wells River RR	W. A. Stowell, Supt	Montpelier, Vt.
Montreal and Sorel Rlt	C. N. Armstrong, G. M	Montreal, Que.
" " "	Edgar Benjamin, Supt	"
Montrose Railway	T. G. Walter, G. S	Tunkhannock, Pa.
Moshassuck Valley RR	George M. Clarke, G. S	Saylesville, R. I.
Mount Washington RR	Walter Aiken, G. M	Franklin, N. H.
Muskrat Lake and Clam River RR	Frederick T. Moore, G. M	Lake City, Mich.
Nantasket Beach RR	W. H. Jeffrey, Actg. Supt	Pemberton, Mass.
Nantucket Railroad	Philip H. Folger, Supt	Boston, Mass
Napanee, Tamworth and Quebec Ry	E. W. Rathbun, G. M	Deseronto, Ont.
" " " "	H. B. Sherwood, Supt	Napanee, Ont.
Narragansett Pier RR	G. T. Lanphear, Supt	Peacedale, R. I.
Nashville, Chattanooga and St. Louis Ry	J. W. Thomas, G. N	Nashville, Tenn
" " " "	M. J. C. Wrenne, Supt	" "
Nashville and Florence RR	J. T. Harahan, G. M	Louisville, Ky.
" " "	James Geddes, Supt	" "
Natchez, Jackson and Columbus RR	T. S. Williams, Supt	Natchez, Miss.
Natchez, Red River and Texas RR	Hiram R. Steele, G. M	Vidalia, La.
" " " "	G. W. Quarles, Supt	" "
Naugatuck RR	George W. Beach, Supt	Waterbury, Ct.
Nevada and California RR	E. L. Heriot, Man	Reno, Nev.
Nevada County Narrow Gauge RR	John F. Kidder, G. M	Grass Valley, Cal.
Nevada and Oregon RR	D. W. Balch, Supt	Reno, Nev.
New Brunswick Ry	F. W. Cram, G. M	St. John, N. B.
New Castle RR	George Pearson, G. M	New Castle, Pa.
New Castle and Butler RR	O. H. P. Green, G. M	" "
Newfoundland Ry	C. X. Hobbs, G. M	St. John's, Newfdl'd
New Haven and Derby RR	E. S. Quintard, G. S	New Haven, Ct.
New Haven and Northampton RR	R. G. Curtis, Asst. Supt	" "
New Jersey and New York RR	J. D. Hasbrouck, G. M	New York, N. Y.
" " "	J. S. Drake, Supt	Hillsdale, N. J.
New London Northern RR	C. F. Spaulding, Supt	New London, Ct.
" " "	J. W. Hobart, G. M	St. Albans, Vt.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
New Mexico and Arizona RR	C. W. Smith, G. M	Topeka, Kan.
" " "	J. H. Scott, Supt	Benson, Ariz. T.
New Orleans and Carrollton RR	C. V. Halle, Supt	New Orleans, La.
Newport and Wickford RR	J. B. Gardiner, Supt	Providence, R. I.
Newport News and Mississippi Valley Co. (Eastern Div.)	W. M. S. Dunn, G. S	Richmond, Va.
Newport News and Mississippi Valley Co. (Western Div.)	James L. Fraser, Supt	Louisville, Ky.
New York Central and Hudson River RR	John M. Toucey, G. S	New York, N. Y.
New York, Chicago and St. Louis Ry	Lewis Williams, G. M	Cleveland, O.
New York, Chicago and St. Louis Ry. (Eastern Div.)	G. H. Kimball, Supt.	" "
New York, Chicago and St. Louis Ry. (Western Div.)	C. D. Gorham, Supt	Ft. Wayne, Ind.
New York City and Northern RR	Joel B. Erhardt, G. M	New York, N. Y.
" " "	E. B. Edwards, G. S	High Bridge, N. Y.
New York and Greenwood Lake Ry	R. H. Soule, G. M	New York, N. Y.
" " "	B. Thomas, G. S	Jersey City, N. J.
New York, Lake Erie and Western RR	R. H. Soule, G. M	New York, N. Y.
" " " "	B. Thomas, G S	Jersey City, N. J.
" " " Coal and RR. Co	W. B. Coffin, Supt	Hornellsville, N. Y.
New York and Long Branch RR	Rufus Blodgett, Supt	Long Branch, N. J.
New York and Massachusetts RR	J. A. Perkins, Supt	Poughkeepsie, N. Y.
New York and New England RR	W. H. Turner, G. S	Boston, Mass.
New York, New Haven and Hartford RR	O. M. Shepard, G. S	New Haven, Ct.
New York, Ontario and Western Ry	J. E. Childs, G. M	New York, N. Y.
" " " "	E. Canfield, Supt. So. Div	Middletown, N. Y.
" " " "	C. W. Lanpher, Supt. No. Div	Norwich, N. Y.
New York, Pennsylvania and Ohio RR	J. R. Shaler, G. S	Cleveland, O.
New York, Providence and Boston RR	J. W. Miller, G. M	New York, N. Y.
" " " "	J. B. Gardiner, Supt	Providence, R. I.
New York and Sea Beach Ry	B. B. Lawrence, G. M	New York, N. Y.
New York, Rutland and Montreal Ry	J. P. Hopson, G. S	Bennington, Vt.
New York, Susquehanna and Western RR	F. A. Potts, G. M	New York, N. Y.
" " " "	C. D. McKelvey, Supt	Jersey City, N. J.
New York, Woodhaven and Rockaway RR	Wm. E. Burroughs, Supt	Rockaway B., N. Y
Norfolk and Ocean View RR	W. A. Mathelson, Supt	Norfolk, Va.
Norfolk Southern RR	M. K. King, G. M	" "
Norfolk and Virginia Beach RR	J. M. Dickey, G. M	Franklin, Pa.
" " "	T. O. Troy, Supt	Norfolk, Va.
Norfolk and Western RR	Joseph H. Sands, G. M	Roanoke, Va.
Norfolk and Western RR. (Western Div)	Frank Huger, Supt	Lynchburg, Va.
Norfolk and Western RR. (Eastern Div)	N. M. Osborne, Supt	Norfolk, Va.
Northeastern RR. (S. C.)	J. F. Devine, G. S	Wilmington, N. C.
" " "	H. Walters, G. M	" "
North Pacific Coast RR	John W. Coleman, G. M	San Francisco, Cal.
" " " "	E. H. Shoemaker, Supt	Sausalito, Cal.
Northern Adirondack RR	M. Callahan, G. S	St. Regis Falls, N.Y.
Northern California RR	A. J. Binney, G. M	Marysville, Cal.
Northern and Northwestern Rys	S. Barker, G. M	Toronto, Ont.
Northern Pacific RR	T. F. Oakes, G. M	St. Paul, Minn.
Northern and Western Ry	J. B. Snowball, Man. Dir	Chatham, N. B.
Norwich and Worcester RR	P. St. M. Andrews Supt. & Man.	Norwich, Conn.
Ogdensburg and Lake Champlain RR	F. W. Baldwin, Supt	Ogdensburg, N. Y.
Ohio and Mississippi Ry	John F. Barnard, G. M	Cincinnati, O.
" " "	C. C. F. Bent, Supt	" "
Ohio and Northwestern RR	E. C. Pechin, G. M	" "
Ohio Southern Ry	C. E. Henderson, G. M	Indianapolis, Ind.
" " "	W. H. Van Tassel, Supt	Springfield, O.
Ohio Valley Ry	P. G. Kelsey, G. M	Henderson, Ky.
" "	James Montgomery, G. S	" "
Oil City and Ridgeway Ry	Ensign Bennett, G. M	Buffalo, N. Y.
Old Colony RR	J. R. Kendrick, G. M	Boston, Mass.
Olympia and Chehalis Valley RR	Charles Sprague, Supt	Olympia, Wash.Ter.
Orange Belt Ry	P. A. Demens, G. M	Longwood, Fla.
Oregon and California RR	R. Koehler, G. M	Portland, Ore.
" " "	J. Brandt, G. S	" "
Oregon Improvement Co	John Muir, Man	" "
Oregon Ry. and Navigation Co	C. H. Prescott, G. M	" "
Ottumwa and Kirkville Ry	H. L. Waterman, G. M	Kirkville, Ia.
Owensboro and Nashville RR	J. T. Harahan, G. M	Louisville, Ky.
" " "	W. M. Newbold, G. S	Russellville, Ky.
Oxford and Henderson RR	James A. White, G. S	Henderson, N. C.
Pacific and Great Eastern Ry	John H. Harris, Supt	Fayetteville, Ark.
Paris and Pere Marquette RR	John W. Moore, G. M	Muskegon, Mich.
Parsons and Pacific RR	T. Penfield, G. M	Parsons, Kan.
Peach Bottom RR	Renie Dickey, Supt	Oxford, Pa.
Pennsboro and Harrisville Ritchie County Ry	M. P. Kimball, G. M	Pennsboro, W. Va.
Pennsylvania RR	Charles E. Pugh, G. M	Philadelphia, Pa.
" "	R. E. Pettit, G. S	Altoona, Pa.
Pennsylvania, Slatington and New England RR	E. J. Fallon, Supt	New York, N. Y.
Pensacola and Atlantic RR	J. T. Harahan, G. M	Louisville, Ky.
" " "	E. O. Saltmarsh, Supt	Pensacola, Fla.
Pensacola and Perdido RR	B. F. Simmons, Supt	" "
People's Railway	W. D. Pollard, Supt	Pottsville, Pa.
Peoria and Pekin Union Ry	T. B. Burnett, G. S	Peoria, Ill.
Petersburg RR	H. Walters, G. M	Wilmington, N. C.
" "	J. F. Devine, G. S	" "
Philadelphia and Atlantic City RR	A. A. McLeod, G. M	Philadelphia, Pa.
" " "	S. Garwood, Supt	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Philadelphia, Newton and New York RR	W. M. Geary, Supt	Norristown, Pa.
Philadelphia and Reading RR	A. A. McLeod, G. M	Philadelphia, Pa.
" " "	I. A. Sweigard, G. S	" "
Philadelphia, Wilmington and Baltimore	Charles E. Pugh, G. M	" "
Pine Bluff and Swan Lake RR	Benjamin Buck, Man	Pine Bluff, Ark.
Pittsburgh and Castle Shannon Railroad	James M. Bailey, Supt	Pittsburgh, Pa.
Pittsburgh, Chartiers and Youghiogheny RR	George S. Griscom, G. M	" "
" " " "	G. S. Davison, G. S	" "
Pittsburgh, Cincinnati and St. Louis Ry	James McCrea, G. M	" "
" " " "	John F. Miller, G. S	Columbus, O.
Pittsburgh, Fort Wayne and Chicago RR	James McCrea, G. M	Pittsburgh, Pa.
" " " "	A. B. Starr, Supt	Allegheny, Pa.
" " " "	C. D. Law, Supt	Fort Wayne, Ind.
Pittsburgh and Lake Erie RR	W. C. Quincy, G. M	Pittsburgh, Pa.
Pittsburgh, Marion and Chicago Ry	C. DeClark, G. M	New Lisbon, O.
" " " "	G. W. Dixon, G. S	New Galilee, Pa.
Pittsburgh and Western RR	Thomas M. King, G. M	Baltimore, Md.
Pontiac, Oxford and Port Austin RR	Charles H. Stone, G. M	Pontiac, Mich.
" " " "	J. Houston, G. S	" "
Pontiac, Pacific Junction Ry	T. J. Prince, Jr., Supt	Aylmer, P. Q.
Port Huron and Northwestern Ry	Henry McMorran, G. M	Port Huron, Mich.
" " "	L. R. Wadsworth, Supt	" "
Port Jervis, Monticello and New York RR	Charles Clark, Supt	Port Jervis, N. Y.
Portland and Ogdensburg RR	Jonas Hamilton, Supt	Portland, Me.
Portland and Rochester RR	J. W. Peters, Supt	" "
Portland and Willamette Valley RR	C. N. Scott, Supt	" "
Port Royal and Augusta RR	J. W. Green, G. M	Augusta, Me.
" " " "	W. W. Starr, Supt	" "
Potomac, Fredericksburg and Piedmont RR	W. H. Richards, G. M	Fredericksburg, Va.
Pratt Coal and Iron Co. RR	Enoch Ensley, G. M	Pratt Mines, Ala.
" " " "	L. W. Gude, Supt	" "
Prescott and Arizona Central RR	Thos. S. Bullock, G. M	Prescott, Ariz.
Profile and Franconia Notch RR	C. H. Greenleaf, Supt	Profile House, N. H.
Prospect Park and Coney Island RR	R. Schermerhorn, Supt	Brooklyn, N. Y.
Providence and Springfield RR	William Tinkman, G. M	Providence, R. I.
Providence, Warren and Bristol RR	Everard Holmes, Supt	Boston, Mass.
Povidence and Worcester RR	Charles Howard, G. S	Providence, R. I.
Quebec Central RR	J. R. Woodward, G. M	Sherbrooke, Que.
" " "	A. Steele, Supt	Quebec, Que.
Quebec and Lake St. John Ry	J. G. Scott, G. M. & G. S	" "
Quincy, Missouri and Pacific Ry	F. D. Schermerhorn, Supt	Quincy, Ill.
" " " "	Amos Green, G. M	" "
Reading and Columbia RR	A. M. Wilson, Supt	Columbia, Pa.
Richmond and Allegheny RR	Decatur Axtell, Receiver	Richmond, Va.
Richmond and Danville RR	E. B. Thomas G. M	Washington, D. C.
Richmond, Fredericksburg and Potomac RR	E. T. D. Meyers, G. S	Richmond, Va.
Rio Grande and Eagle Pass Ry	W. L. Giddens, Supt	Laredo, Tex.
Rochester and Lake Ontario RR	N. B. Ellison, Man	Rochester, N. Y.
Rock Island and Peoria Ry	H. B. Ludlow, Supt	Rock Island, Ill.
Rockport RR	Alexander McGregor, Supt	Rockport, Me.
Rome Railroad, Ga	Eben Hillyer, Supt	Rome, Ga.
Rome and Carrollton RR	J. H. Garner, Supt	" "
Rome, Watertown and Ogdensburg RR	H. M. Britton, G. M	Oswego, N. Y.
Rumford Falls and Buckfield RR	L. L. Lincoln	Canton, Me.
Saginaw, Tuscola and Huron RR	M. B. Wilkinson, Supt	E. Saginaw, Mich.
St. Clairsville and Northern Ry	A. Thompson, Supt	St. Clairsville, O.
St. Croix and Penobscot RR	S. W. Haycock, Supt	Calais, Me.
St. Helen, Houghton Lake and Western RR	Z. C. Jessop, G. M	Detroit, Mich.
St. John's Ry	R. McLaughlin, Supt	Jacksonville, Fla.
St. John's and Halifax RR	U. J. White, G. M	Rollerton, Fla
St. Joseph Ry	T. T. Onderdonk, Supt	Bonne Terre, Mo.
St. Joseph and Grand Island RR	D. McCool, G. M	St. Joseph, Mo.
St. Joseph and St. Louis RR	W. P. Harris, G. S	" "
St. Louis, Alton and Terre Haute RR	George W. Parker, G. M	St. Louis, Mo.
" " " "	W. S. Wilson, Supt	Belleville, Ill.
St. Louis, Arkansas and Texas Ry	S. W. Fordyce, G. M	St. Louis, Mo.
St. Louis and Cairo RR	Charles Hamilton, G. M	" "
" " " "	J. W. Fry, G. S	" "
St. Louis and Central Illinois RR	H. A. Fisher, G. M	" "
" " " "	W. H. Hartman, Supt	Springfield, Ill.
St. Louis, Creve Cœur and St. Charles Ry	F. M. Colburn, G. M	St. Louis, Mo.
St. Louis, Des Moines and Northern Ry	C. F. Meek, G. S	Des Moines, Ia.
St. Louis and Emporia RR	F. B. Drake, Supt	Sedalia, Mo.
St. Louis and Hannibal RR	E. C. Case, G. M	Hannibal, Mo.
St. Louis, Fort Scott and Wichita RR	William Kerrigan, G. S	St. Louis, Mo.
St. Louis, Iron Mountain and Southern RR	S. H. H. Clark, G. M	" "
" " " "	William Kerrigan, G. S	" "
St. Louis and San Francisco Ry	H. L. Morrill, G. M	" "
" " " "	D. H. Nichols, G. S	Springfield, Mo.
St. Martin's and Upham Ry	A. E. Killam, G. M	St. Martin's, N. B.
St. Paul and Duluth RR	W. H. Fisher, G. S	St. Paul, Minn.
St. Paul, Minneapolis and Manitoba Ry	Allen Manvel, G. M	" "
" " " "	John M. Egan, G. S	" "
St. Paul Union Depot Co. Ry	C. B. Brunson, Supt	" "
Salem and Eastern RR	Thomas J. Scott, Supt	Salem, Mo.
San Antonio and Aransas Pass RR	U. Lott, G. M	San Antonio, Tex.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Sandersville and Tennille RR	J. I. Irwin, G. S	Sandersville, Ga.
Sandy River RR	N. B. Beal, Supt	Phillips, Me.
San Francisco and North Pacific RR	H. C. Whiting, Supt	San Rafael, Cal.
San Joaquin and Sierra Nevada RR	Frederick Birdsall, G. M	Sacramento, Cal.
" " "	S. Washburn, G. S	Woodbridge, Cal.
San Pete Valley RR	H. S. Kerr, Supt	Wales, U. T.
" "	S. Bamberger, G. M	Salt Lake City, U. T.
Saratoga, Mount Gregor and Lake George RR	D. H. Fonda, G. M	Albany, N. Y.
Savannah, Florida and Western Ry	H. S. Haines, G. M	Savannah, Ga.
" " " "	R. G. Fleming, Supt	" "
Schoharie Valley RR	Cornelius P. Vroman	Schoharie, N. Y.
Seaboard and Roanoke RR	John M. Robinson, G. S	Baltimore, Md.
Sea View RR	J. L. Morrow, G. S	Flatbush, N. Y.
Sebasticook and Moosehead RR	James Mitchell, Supt	Pittsfield, Me.
Sedalia, Warsaw and Southern RR	J. B. Van Dyne, G. S	Sedalia, Mo.
Sheffield and Birmingham RR	P. Campbell, Supt. & Man	Sheffield, Ala.
Shelby Iron Co.'s RR	H. R. Stoughton, G. M	Shelby I. W., Ala.
" " " "	J. D. Bostock, G. S	" " "
Shenandoah Valley RR	D. W. Flickwir, Supt	Roanoke, Va.
Shenango and Allegheny RR	T. J. Blair, G. M	Greenville, Pa.
Shepaug, Litchfield and Northern RR	Alexander McNeill, Supt	Litchfield, Ct.
Ship Island, Ripley and Kentucky RR	R. J. Thurmond, G. M	Ripley, Miss.
" " " "	C. L. Harris, Supt	" "
Shreveport and Houston RR	M. G. Howe, G. M	Houston, Tex.
Silver Lake RR	J. L. Moore, Supt	Buffalo, N. Y.
Silver Springs, Ocala and Gulf RR	A. P. Man, Jr., G. M	Ocala, Fla.
" " " "	N. R. Gruelle, Supt	" "
Sinnemahoning Valley Ry	G. B. Booth, Supt	Keating Summit, Pa.
Sioux City and Pacific RR	W. F. Fitch, G. M	Missouri Valley, Ia.
" " "	C. M. Lawler, G. S	" "
Skaneateles RR	J. McNamara, Supt	Skaneateles, N. Y.
Slate Run RR	E. C. Rodman, G. S	Binghamton, N. Y.
Somerset Ry	W. M. Ayer, G. S	Oakland, Me.
Somerset County RR	Richard Nevins, Jr., G. S	Pittsburgh, Pa.
Sonomo Valley RR	H. C. Whiting, Supt	San Rafael, Cal.
Southern Kansas Ry	J. L. Barnes, Supt	Lawrence, Kan.
Southern Pacific Co. (Pacific System)	A. N. Towne, G. M	San Francisco, Cal.
" " " (Atlantic System)	A. C. Hutchinson, G. M	New Orleans, La.
" " " (Pacific System)	J. A. Fillmore, G. S	San Francisco, Cal.
" " " (Atlantic System)	P. L. Queyrouze, G. S	Houston, Tex.
" " " " "	M. D. Monseerrate, G. S	Victoria, Tex.
South Carolina Ry	J. B. Peck, G. M	Charleston, S. C.
Southeastern Ry	T. A. Mackinnon, G. M	Montreal, Que.
" "	Hugh Macdiarmid, Supt	Richford, Vt.
Southfield Branch RR	J. S. Ford, Supt	Southfield, N. Y.
South Florida RR	James E. Ingraham, G. M	Sanford, Fla.
" " "	B. R. Swoope, G. S	" "
South Manchester RR	Richard O. Cheney, G. M	S. Manchester, Ct.
South Mountain Ry	W. H. Woodward	Carlisle, Pa.
South Pacific Coast RR	A. E. Davis, G. M	San Francisco, Cal.
" " " "	L. Fillmore, G. S	" "
Southwestern Ry. (Ky.)	M. Tabler, G. M. & Supt	Harrodsburg, Ky.
Springville and Sardinia RR	B. Chaffee, G. M	Springville, N. Y.
Staten Island Rapid Transit RR	Frank S. Gannon, Supt	New York, N. Y.
Sterling Mountain Ry	A. W. Humphreys, G. M	" "
" "	E. B. Wilson, Supt	" "
Stewardstown RR	James Fulton, G. M	Stewardstown, Pa.
" "	John B. Gemmill, G. S	" "
Stony Clove and Catskill Mountain RR	George Coykendall, G. S	Rondout, N. Y.
Stony Creek RR	G. B Boggs, Supt	Norristown, Pa.
Suburban Rapid Transit Co	E. B. Wetmore, Supt	New York, N. Y.
Suffolk Lumber Co.'s RR	W. M. Whaley, G. M	Suffolk, Va.
Sylvania RR	John C. Dell	Sylvania, Ga.
Syracuse and Baldwinsville RR	Alexander Hamill, Man	Syracuse, N. Y.
Syracuse, Ontario, and New York RR	Albert Allen, Supt	" "
Talbotton RR	W. H. Martin, Supt	Talbotton, Ga.
Talladega and Coosa Valley RR	D. M. Rogers, G. M	Renfroe, Ala.
Tavares, Orlando and Atlantic RR	T. M. T. McKennan, G. M	Orlanda, Fla.
Tennessee and Coosa RR	Hugh Carlisle, G. M	Gadsden, Ala.
" " "	W. E. Knox, Supt	Attalla, Ala.
Tonnessee and Ohio Ry	H. M. Aiken, G. M	Rogersville, Tenn.
" "	Joseph Helton, Supt	" "
Terre Haute and Indianapolis RR	Joseph Hill, G. S	St. Louis, Mo.
Terre Haute and Logansport RR	Joseph Hill, G. S	" "
Terre Haute and Southeastern Ry	W. D. Ewing, G. M	Evansville, Ind.
Texas and New Orleans RR	A. C. Hutchinson, G. M	New Orleans, La.
Texas and Pacific Ry	John A. Grant, G. M	Dallas, Tex
Texas, Santa Fé and Northern RR	M. P. Foody, Supt	Santa Fé, N. M.
Texas Trunk RR	W. G. Mowry, G. M	Dallas, Tex.
Texas Western Ry	George C. Smith, G. M	Houston, Tex.
Thousand Islands RR	R. C. Carter, G. M	Deseronto, Ont.
Tionesta Valley RR	Jerry Crary, G. S	Sheffield, Pa.
" "	Isaac Horton, G. M	" "
Toledo, Ann Harbor and North Michigan Ry	H. W. Ashley, Jr	Toledo, O.
Toledo, Columbus and Southern Ry	T. P. Brown, G. M	" "
Toledo and Ohio Central Ry	J. M. Ferris, G. M	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Toledo and Ohio Central Ry	T. M. Pular, Supt	Bucyrus, O.
Toledo, Peoria and Western RR	E. F. Leonard, Man	Peoria, Ill.
" " " "	E. N. Armstrong, G. S	" "
Toledo, St. Louis and Kansas City RR	W. H. Pettibone	Toledo, O.
Tonawanda Valley and Cuba RR	B. W. Spencer, Man	New York, N. Y.
" " " "	B. W. Humphrey, Supt	Attica, N. Y.
Troy and Boston RR	Joseph Crandell, Supt	Troy, N. Y.
Ulster and Delaware RR	J. H. Jones, G. S	Ronondout, N. Y.
Union Ry. Co. of Chattanooga	E. A. Cooper, Supt	Chattanooga, Tenn.
Union Freight RR	A. H. Grovenor, G. S	Boston, Mass.
Union Pacific Ry	S. R. Callaway, G. M	Omaha, Neb.
" " "	E. Dickinson, Act'g G. S	Denver, Col.
Utah Central Ry	John Sharp, G. S	Salt Lake City, U. T.
Utah and Nevada Ry	W. W. Riter, Supt	" "
Utah and Northern Ry	S. R. Callaway, G. M	Omaha, Neb.
" " "	W. B. Doddridge, G. S	Ogden, U. T.
Vaca Valley and Clear Lake RR	A. M. Stevenson, G. M	San Francisco, Cal.
" " "	G. B. Stevenson, Supt	Vacaville, Cal.
Valley Railway (Ohio)	Isaac Reynolds, G. M	Cleveland, O.
" " "	W. M. Smith, Supt	" "
Versailles and Midway RR	T. H. Hays, G. M	Louisville, Ky.
" " "	Robert Wallace, Supt	Versailles, Ky.
Vicksburg and Meridian RR	H. F. Clark, Supt	Vicksburg, Miss.
" " "	H. F. Clark, Supt	" "
Virginia Midland Ry	Robert Andrews, Supt	Alexandria, Va.
Virginia and Truckee RR	H. M. Yerington, G. S	Carson, Nev.
Wabash Ry	K. H. Wade, G. S	Chicago, Ill.
Wabash, Chester and Western RR	J. L. Hinckley, Supt	Chester, Ill.
Wabash Western Ry	A. A. Talmage, G. M	St. Louis, Mo.
Walden's Ridge RR	George J. Kinze', Supt	OliverSprings, Tenn.
Wallkill Valley RR	J. D. Layng, G. M	New York N. Y.
" "	G. H. Graves, Supt	Kingston, N. Y.
Warren and Farnsworth RR	A. D. Wood, G. M	Warren, Pa.
Washington and Potomac RR	J. B. Ridgway, Supt	Brandywine, Md.
Waterloo and Magog Ry	J. B. Futvoye, Supt	St. Johns, Que.
Western and Atlantic RR	R. A. Anderson, G. S	Atlanta, Ga.
Western Maryland RR	John M. Hood, G. M	Baltimore, Md.
Western Ry. of Alabama	Cec l Gabbett, G. M	Montgomery, Ala.
Western Ry. of Florida	O. A. Budington, G. S	Gr'n C've Sp'gs, Fla.
West Branch and Moorestown RR	John Lynch, G. M	Muskegon, Mich.
West Feliciana RR	J. B. McGehee, G. S	Woodville, Miss.
West Shore RR	J. D. Layng, G. M	New York, N. Y.
" " "	C. W. Bradley, G. S	Weehawken, N. J.
West Virginia, Central and Pittsburgh RR	T. B. Davis, G. M	Piedmont, W. Va.
Weston and Buckhannon RR	A. H. Kunst, G. S	Weston, W. Va.
Wheeling and Elm Grove RR	M. D. Woodford, G. M	Toledo, O.
Whitefield and Jefferson RR	A. L. Brown, Supt	Whitefield, N. H.
White Water RR	W. Worthington, G. S	Fort Wayne, Ind.
Wicomico and Pocomoke RR	L. Showell, Supt	Berlin, Md.
Wiggins' Ferry Co	H. W. Gays, Man	St. Louis, Mo.
Wilkesbarre and Western RR	S. H. Hicks, Supt	Watsontown, Pa.
Williamsport and North Branch RR	Benjamin G. Welch, G. M	Hughesville, Pa.
Williamstown and Delaware River RR	A. A. McLeod, G. M	Philadelphia, Pa.
" " "	S. Garwood, Supt	Camden, N. J.
Wilmington, Chadbourn and Conwayboro Ry	J. H. Chadbourn, Jr., Supt	Chadbourn, N. C.
Wilmington and Northern RR	A. G. McCauseland, Supt	Wilmington, Del.
Windsor and Annapolis Ry	P. Innes, G. M	Kentville, N. S.
Winifrede RR	R. B. Cassady, Supt	Winifrede, W. Va.
Wisconsin Central Line	William S. Millen, G. M	Milwaukee, Wis.
Wood River Branch RR	L. M. Barber, Supt	Hope Valley, R. I.
Woodstock RR	J. G Porter, Supt	Woodstock, Vt.
" "	S. S. Thompson, G. M	Lyndonville, Vt.
Worcester and Shrewsbury RR	I. E. Bigelow, Supt	Worcester, Mass.
York and Peach Bottom Ry	S. M. Manifold, Supt	York, Pa.
Youghiogheny RR	John F. Wolf, Supt	Irwins, Pa.

Ingersoll Rock Drill Co.

10 PARK PLACE,

NEW YORK.

Rock Drills

AIR COMPRESSORS

AND GENERAL MINING MACHINERY.

TUNNEL PLANTS A SPECIALTY.

---

250 Ingersoll Eclipse Drills and 25 Ingersoll Air Compressors used on the NEW CROTON AQUEDUCT TUNNEL, NEW YORK.

Out of 25 Tunnels driven with Power Drills 20 have used the Ingersoll Drills.

Contractors prefer the Ingersoll Drills on account of greater simplicity, effectiveness and durability.

ESTIMATES FOR COMPLETE PLANTS ON APPLICATION.

Send for full descriptive catalogue containing information of interest to contractors, engineers and others interested in all kinds of rock work.

CHIEF ENGINEERS.

(12) Special List of Chief Engineers of all Railroads given in List No. 1.

NAME OF ROAD.	CHIEF ENGINEERS.	RESIDENCE.
Allegan and Lake Shore RR	J. H. Dewing	Kalamazoo, Mich.
Albemarle and Raleigh RR	B. R. Dunn, Eng	Wilmington, N. C.
Allegheny Valley RR	Frank Ashmead, Eng	Pittsburgh, Pa.
Americus, Preston and Lumpkin RR	B. H. Hardaway	Americus, Ga.
Arizona Narrow Guage RR	W. W. Walker, Eng	Tucson, Ariz.
Artesia, Starkville and Grenada RR	R. H. Elliott	Memphis, Tenn.
Atlantic Coast Line	B. R. Dunn, Eng. of R'way	Wilmington, N. C.
Atlantic and North Carolina RR	C. L. Kingsley, Eng	New Berne, N. C.
Augusta, Gibson and Sandersville RR	R. T. Barksdale	Augusta, Ga.
Baltimore and Delaware Bay RR	L. D. Bruyn	Chestertown, Md.
Baltimore and Ohio RR	P. H. Irwin, Res. Eng	Baltimore, Md.
" " "	H. T. Douglas, Civ. Eng. Ex	" "
" " "	J. L. Randolph, Consult. Eng	" "
Bath and Hammondsport RR	S. S. Reynolds, Eng	Hammondsport, N.Y
Beech Creek RR	C. McCollum, Eng	Jersey Shore, Pa.
Bellaire, Zanesville and Cincinnati Ry	J. K. Geddes, Civ. Eng. & R. M.	Zanesville, O.
Bells Gap RR	F. L. Faries	Bellwood, Pa.
Bennington and Rutland Ry	A. G. Coomer, Civ. Eng. & R. M.	N. Bennington, Vt.
Blue Springs, Orange City and Atlantic RR	S. B. Carter, G. S. & Eng	Orange City, Fla.
Bodie and Benton Ry. and Commercial Co	Thomas Holt, Eng	Bodie, Cal.
Boston and Albany RR	W. H. Russell	Springfield, Mass.
Boston and Lowell RR	G. M. Thompson	Boston, Mass.
Bridgeton and Saco River RR	S. L. Stevenson	Gorham, Me.
Brooklyn Elevated RR	George B. Cornell	Brooklyn, N. Y.
Buffalo, Rochester and Pittsburgh RR	William E. Hoyt	Rochester, N. Y.
Burlington, Cedar Rapids and Northern Ry	H. F. White	Cedar Rapids, Ia.
California Shortline Ry	H. S. Kerr	Salt Lake City, U.
California Southern RR	F. T. Perris	S. Bernardino, Cal.
Canada Atlantic Ry	Walter Shanly	Montreal, Que.
Canadian Government Railways	C. Schrieber	Ottawa, Ont.
Cape Girardeau Southwestern Ry	James F. Brooks	Jackson, Mo.
Caraquet Ry	William Mann	Bathurst, N. B.
Central Iowa RR	George A. Pruden	Marshalltown, Ia.
Central Ontario Ry	J. D. Evans	Trenton, Ont.
Central Vermont RR	W. E. Babbitt	St. Albans, Vt.
Chateaugay RR	E. Hall	Lyon Mountain, N.Y
Chatham Branch Ry	A. Alcorn	Chatham, N. B.
Chesapeake and Nashville RR	H. Sawyers	Gallatin, Tenn.
Chicago and Alton RR	K. F. Booth	Chicago, Ill.
Chicago and Atlantic Ry	Charles Levings, Eng	" "
Chicago, Burlington and Kansas City RR	E. M. Gilchrist	Keokuk, Ia.
Chicago, Burlington and Northern RR	C. C. Upham	St. Paul, Minn.
Chicago, Burlington and Quincy RR	G. C. Smith	Chicago, Ill.
" " " "	W. Forsyth, Mech. Eng	Aurora, Ill.
" " " "	R. J. McClure, Consult. Eng	Chicago, Ill.
Chicago and Eastern Illinois RR	S. H. Miller	Danville, Ill.
Chicago, Fairchild and Eau Claire RR	Robert Holmes	Fairchild, Wis.
Chicago and Indiana Coal Ry	R. Angst	Attica, Ind.
Chicago, Madison and Northern RR	Isham Randolph	Chicago, Ill.
Chicago, Milwaukee and St. Paul RR	D. J. Whittemore	Milwaukee, Wis.
Chicago and Northwestern Ry	E. H. Johnson	Chicago, Ill.
Chicago, Rock Island and Pacific Ry. (Illinois Div.)	H. A. Parker, Eng	" "
Chicago, Rock Island and Pacific Ry. (Iowa Div.)	B. B. Brayton, Eng	Davenport, Ia.
Chicago, St. Paul, Minneapolis and Omaha Ry	C. W. Johnson	St. Paul, Minn.
Chicago and West Michigan Ry	J. W. Petheram	Grand Rapids, Mich.
Cincinnati and Green Hill River RR	A. Evans	Yosemite, Ky.
Cincinnati, Hamilton and Dayton RR	J. Ramsey, Jr.	Cincinnati, O.
Cincinnati, Indianapolis, St. Louis and Chicago Ry	T. O. Morris	Indianapolis, Ind.
Cincinnati, Jackson and Mackinaw RR	J. W. Rimer	Van Wert, O.
Cincinnati, Lebanon and Northern RR	H. E. Talbott	Cincinnati, O.
Cincinnati, Wabash and Michigan Ry	A. V. Peck	Elkhart, Ind.
Cincinnati, Wheeling and New York RR	J. W. Andrews	Urbano, O.
Cleveland, Akron and Columbus RR	James Harrington	Akron, O.
Cleveland and Marietta RR	C. L. Gould	Cambridge, O.
Colorado Midland Ry	T. H. Wigglesworth	Colorado Springs, C.

NAME OF ROAD.	CHIEF ENGINEERS.	RESIDENCE.
Columbus and Cincinnati Midland RR.	D. D. Carothers	Columbus, O.
Columbus, Hocking Valley and Toledo Ry. (Toledo Div.)	F. B. Sheldon	" "
Columbus, Hocking Valley and Toledo Ry. (Hock'g V. D.)	W. H. Jennings	" "
Columbus, Hocking Valley and Toledo Ry. (Ohio R. Div.)	F. B. Sheldon	" "
Cornwall and Lebanon RR.	T. R. Crowell	Lebanon, Pa.
Coudersport and Port Allegheny RR	B. A. McClure	Coudersport, Pa.
Cumberland Valley RR.	C. Ives, Eng	Chambersburg, Pa.
Dayton and Toledo RR.	S. F. Reek	Dayton, O.
Delaware and Hudson Canal Co.	A. J. Swift	Albany, N. Y.
Delaware, Lackawanna and Western RR.	James Archibald	Scranton, Pa.
Denver and Rio Grande RR.	F. P. King	Denver, Col.
Denver, Rio Grande and Western RR.	George Goss	Salt Lake City, U.T.
Denver, Memphis and Atlantic RR.	D. J. Thayer	Wichita, Kan.
Denver, Texas and Gulf RR	P. F. Barr	Denver, Col.
Des Moines and Fort Dodge RR.	James Cares, Civ. Eng.	Des Moines, Ia.
Des Moines, Osceola and Southern RR.	R. H. Ashworth, Eng.	Osceola, Ia.
Detroit, Bay City and Alpena RR.	C. H. Ellis	Detroit, Mich.
Detroit, Lansing and Northern RR.	John J. McVean	Ionia, Mich.
Duluth and Iron Range RR.	R. H. Lee	Duluth, Minn.
Elgin, Petitcodiac and Havelock Ry.	A. R. Wetmore	Petitcodiac, N. B.
Elmira, Cortland and Northern RR.	F. S. Stevens, Eng.	Cortland, N. Y.
Erie and Wyoming Valley RR	A. D. Blackinton	Dunmore, Pa.
Evansville and Terre Haute RR.	C. A. Slayback, Civ. Eng.	Evansville, Ind.
Fall Brook Coal Co.	Aaron Hardt	Corning, N. Y.
Fitchburg RR.	E. K. Turner	Boston, Mass.
Flint and Pere Marquette RR.	W. B. Sears	E. Saginaw, Mich.
Florida Ry. and Navigation Co.	J. W. Bushnell	Jacksonville, Fla.
Florida Southern Ry	W. P. Couper	Palatka, Fla.
Fort Madison and Northwestern Ry.	Charles A. Gilchrist	Ft. Madison, Ia.
Franklin and Megantic Ry	Frederick Danforth	Gardiner, Me.
Freebold and New York Ry	George T. Lape	Brooklyn, N. Y.
Fremont, Elkhorn and Missouri Valley RR.	J. E. Ainsworth	Missouri Valley, Mo.
Gainesville and Dahlonega RR.	J. J. Gaillard	Gainesville, Ga.
Galveston, Sabine and St. Louis Ry.	Peter Vandewater	Longview, Tex.
Georgia Midland and Gulf RR.	W. S. Greene	Columbus, Ga.
George's Creek and Cumberland RR.	J. P. Gaffney	Cumberland, Md.
Gettysburg and Harrisburg RR.	A. R. Lehman	Carlisle, Pa.
Grand Trunk Ry. (G. T. D.)	E. P. Hannaford	Montreal, Que.
Grand Trunk Ry. (G. W. D.)	Joseph Hobson	Hamilton, Ont.
" "	J. G. Macklin, Eng. Mid. Div.	Peterborough, Ont.
" "	George Masson, Eng. Mich. Div.	Battle Creek, Mich.
" "	J. Y. Lloyd, Asst. Eng. G. T. D.	Richmond, Can.
" "	George Hollinshead, A.E.G.T.D.	Toronto, Ont.
" "	Randolph Clarke, Asst.E.G.T.D.	Stratford, Ont.
Gulf, Colorado and Santa Fé RR.	Webster Snyder	Galveston, Tex.
Gulf and Ship Island RR	L. D. Brown	Mobile, Ala.
Hannibal and St. Joseph RR.	C. C. Chandler	St. Joseph, Mo.
Hanover Branch RR.	H. Magiathlin	Hanover, Mass.
Harrisburg and Potomac RR.	H. K. Nichols	Philadelphia, Pa.
Hecla and Torch Lake RR.	L. S. Woodbury	Calumet, Mich.
Herkimer, Newport and Poland (N. G.) Ry.	Albert Wilber	Herkimer, N. Y.
Hopkins RR.	W. F. Garis	Carlinville, Ill.
Huntington and Broad Top Mountain RR.	John Fulton, Consult. Eng.	Johnston, Pa.
Indiana, Alabama and Texas Ry.	C. W. Richardson	Clarksville, Tenn.
Indiana, Bloomington and Western Ry.	M. M. Defrees, Eng. Br. & Bldg.	Indianapolis, Ind.
Jacksonville, Tampa and Key West Ry.	W. S. Sneden	Jacksonville, Fla.
Jacksonville and Atlantic Ry.	E. L. Wentze	" "
Kansas City Belt Ry.	W. B. Knight	Kansas City, Mo.
Kansas City, Clinton and Springfield Ry.	S. W. Clapp	Fort Scott, Kan.
Kansas City, Fort Scott and Gulf RR	S. W. Clapp	" "
Kansas City, Springfield and Memphis RR.	G. H Nettleton	Kansas City, Mo.
Kansas City, Memphis and Birmingham RR.	R. H. Elliott	Birmingham, Ala.
Kansas City, Wyandotte and Northwestern RR.	Samuel W. Clapp	Wyandotte, Kan.
Kansas and Gulf Short Line RR.	E. H. Wells	Tyler, Tex.
Kent Northern Ry	W. Brown, Eng.	Richibucto, N. B.
Kentucky and South Atlantic RR.	M. L. Lum	Richmond, Va.
Kentucky Union Ry.	W. A. Gunn	Lexington, Ky.
Kingman, Pratt and Western RR.	D. H. Rhodes	Wichita, Kan.
Kingston and Pembroke Ry.	T. W. Nash	Kingston, Ont.
Lake County (Forest) RR.	Charles Wallenger	Ludington, Mich.
Lake Erie and Western Ry.	T. H. Perry	Bloomington, Ill.
Lake Shore and Michigan Southern Ry.	L. H. Clarke	Cleveland, O.
Lehigh and Hudson River RR.	Charles Caldwell	Newburg, N. Y.
Lehigh Valley RR.	A. W. Stedman	Mauch Chunk, Pa.
Long Island RR	Anthony Jones	Brooklyn, N. Y.
Louisville and Nashville RR.	F. W. Vaughan, Consult. Eng.	Louisville, Ky.
Louisville, New Albany and Chicago Ry.	F. Hall	Chicago, Ill.
Main Central RR.	W. A. Allen	Portland, Me.
Manhattan Railway	R. I. Sloan	New York, N. Y.
Manitoba and Northwestern Ry.	G. H. Webster	Port la Prairie, M.
Marietta, Columbus and Northern RR.	C. E. Gard	Marietta, O.
Marietta and North Georgia RR.	C. R. Walton	Marietta, Ga.
Marquette, Houghton and Ontonagon RR.	C. H. V. Cavis	Marquette, Mich.
Michigan Central RR.	J. D. Hawks	Detroit, Mich.
Middleburg and Schoharie RR.	S. Reddick	Middleburg, N. Y.
Midland Ry.	E. Cottingham	Noblesville, Ind.

NAME OF ROAD.	CHIEF ENGINEERS.	RESIDENCE.
Milwaukee, Lake Shore and Western Ry	E. H. Rummele	Milwaukee, Wis.
Minneapolis, Lyndale and Minnetonka Ry	G. W. Cooley	Minneapolis, Minn.
Minneapolis and Pacific Ry	W. W. Rich	" "
Minneapolis and St. Louis Ry	R. Augst	" "
Minneapolis, Sault Ste. Marie and Atlantic Ry	W. W. Rich	" "
Minnesota and Northwestern RR	H. Fernstrom	St. Paul, Minn.
Missouri, Kansas and Texas Ry	H. McLaughlin	St. Louis, Mo.
Missouri Pacific Ry	H. McLaughlin, Res. Eng	" "
Mobile and Northwestern Ry	R. L. Vansant	Glendale, Miss.
Monson RR	Warren Nickerson	Monson, Me.
Mont Alto RR	G. B. Wiestling, Eng. & Supt	Mont Alto, Pa.
Montour RR	C. A. Cooper	Pittsburgh, Pa.
Montrose Ry	Felix Ausart	Tunkhannock, Pa.
Muskrat Lake and Clam River RR	J. C. Brewster	Fremont Cen., M.
Nantucket RR	W. Veazie	Boston, Mass.
Napanee, Tamworth and Quebec Ry	M. J. Butler	Napanee, Ont.
Narragansett Pier RR	G. T. Lanphear	Peacedale, R. I.
Nashville, Chattanooga and St. Louis Ry	R. C. Morris	Nashville, Tenn.
Nevada County Narrow Gauge RR	John F. Kidder	Grass Valley, Cal.
New Brunswick Ry	Moses Burpee	Woodstock, N. B.
New Brunswick and Prince Edward Ry	R. C. Boxal	Sackville, N. B.
New Foundland Ry	Mason Loomis	St. Johns, N. F.
New London Northern RR	W. E. Babbit	St. Albans, Vt.
New Mexico and Arizona RR	A. A. Robinson	Topeka, Kan.
New Orleans and Carrollton RR	John Dahmer	New Orleans, La.
Newport News and Mississippi Valley Co. (Eastern Div)	M. L. Lum	Richmond, Va.
New York Central and Hudson River RR	Walter Katte	New York, N. Y.
New York, Chicago and St. Louis Ry. (Eastern Div.)	A. W. Johnson, Eng	Cleveland, O.
New York, Chicago and St. Louis Ry. (Western Div.)	W. M. Pardee	Ft. Wayne, Ind.
New York and Long Branch RR	L. D. Bruyn, Res. Eng	Long Branch, N. J.
New York and New England RR	L. B. Bidwell	Boston, Mass.
New York, New Haven and Hartford RR	John E. Buddington	New Haven, Conn.
New York, Providence and Boston RR	E. P. Dawley, Eng	Providence, R. I.
New York, Susquehanna and Western RR	G. L. Rusling	New York, N. Y.
Norfolk and Western RR	W. W. Coe	Roanoke, Va.
Northern and Western Rys	H. Holgate, Eng	Toronto, Ont.
Northern and Pacific Junction Ry	J. C. Bailey	" "
Northern Pacific RR	A. Anderson	Tacoma, W. T.
Ohio and Mississippi Ry	C. C. Chandler	Cincinnati, O.
Ohio and Northwestern RR	J. D. Letcher	" "
Ohio Valley Ry	C. C. Genung	Henderson, Ky.
Old Colony RR	George S. Morrill	Boston, Mass.
Oregon Ry. and Navigation Co	John Gates	Portland, Ore.
Oxford and Henderson RR	James E. Lawrence	Henderson, N. C.
Parsons and Pacific RR	D. W. C. Perry	Parsons, Kan.
Paw Paw RR	J. S. Cross	Bangor, Mich.
Toledo and South Haven RR	J. S. Cross	" "
Pennsylvania RR	William H. Brown	Philadelphia, Pa.
Pennsylvania, Statington and New England RR	A. B. Paine	New York, N. Y.
Peoria Terminal Ry	J. F. Wallace	Monmouth, Ill.
Philadelphia and Atlantic City RR	H. K. Nichols	Philadelphia, Pa.
Philadelphia and Reading RR	H. K. Nichols	" "
Pine Bluff and Swan Lake RR	J. J. Martin	Pine Bluff, Ark.
Pittsburgh and Castle Shannon RR	J. S. Devlin	Pittsburgh, Pa.
Pittsburgh and Lake Erie RR	E. Hollbrooke	" "
Port Huron and Northwestern Ry	Arthur L. Reed	Port Huron, Mich.
Portland and Ogdensburg RR	John F. Anderson	Portland, Me.
Portland and Willamette Valley RR	H. Hawgood	Portland, Ore.
Pratt Coal and Iron Cos. RR	L. W Johns	Pratt Mines, Ala.
Prospect Park and Coney Island RR	R. Schermerhorn	Brooklyn, N. Y.
Providence, Warren and Bristol RR	W. Stone, Eng	Providence, R. I.
Providence and Worcester RR	J. W. Ellis	Woonsocket, R. I.
Quebec and Lake St. John Ry	James Cadman	St. Raymond, Que.
Richmond and Allegheny RR	R. D. Whitcomb	Richmond, Va.
Richmond and Danville RR	C. M. Bolton	" "
Rio Grande RR	C. W. Rendall	Brownsville, Tex.
Rockport RR	Charles Evans	Rockport, Me.
Rome and Carrollton RR	F. H. Harris	Rome, Ga.
Rome, Watertown and Ogdensburg RR	F. R. Becker	Oswego, N. Y.
St. Croix and Penobscot RR	D. S. Maxwell	Calais, Me.
St. Joseph and Des Moines RR	C C. Chandler	St. Joseph, Mo.
St. Joseph and Grand Island RR	Wm. Lush	New York, N. Y.
St. Joseph Valley RR	W. W. Graves	Berrien Springs, M.
St. Louis and Cairo RR	Charles Hamilton	St. Louis, Mo.
St. Louis, Keokuk and Northwestern RR	E. M. Gilchrist	Keokuk, Ia.
St. Louis and San Francisco Ry	James Dun	St. Louis Mo.
St. Paul and Duluth RR	C. A. F. Morris	St. Paul, Minn.
St. Paul, Minneapolis and Manitoba Ry	N. D. Miller	" "
Sandy River Railroad	M. Towle	Phillips, Me.
San Francisco and North Pacific RR	F. K. Zook	San Francisco, Cal.
San Pete Valley RR	H. S. Kerr	Wales, U. T.
Saratoga and Almaden RR	Henry E. Brainard	San José, Cal.
Saratoga, Mount Gregor and Lake George RR	R. Prescott	Albany, N. Y.
Savannah, Florida and Western Ry	W. B. W. Howe, Jr	Savannah, Ga.
Scioto Valley Ry	Julian Griggs	Columbus, O.
Shenango and Allegheny RR	E. P. James	Mercer, Pa.

NAME OF ROAD.	CHIEF ENGINEERS.	RESIDENCE.
Silver Springs, Ocala and Gulf RR	N. R. Gruelle	Ocala, Fla.
Sinnemahoning Valley Ry	George Holiston	Keating Summit, Pa.
Sioux Valley and Pacific RR	J. E. Ainsworth	Missouri Valley, Ia.
Slate Run RR	A. P. Bovier	Elmira, N. Y.
Somerset County RR	Richard Nevins, Jr	Pittsburgh, Pa.
Southern Pacific Co. (Pacific System)	Wm. Hood	San Francisco, Cal.
South Carolina Ry	A. de Caradenc	Charleston, S. C.
South Mountain Ry	A. E. Lehman	Carlisle, Pa.
Southwestern Ry. (Ky.)	J. A. Ellis	Harrodsburg, Ky.
Staten Island Rapid Transit RR	Charles Ackenheil	Elizabeth, N. J.
Stewartstown RR	W. W. Stewart	York Springs, Pa.
Suburban Rapid Transit Co	J. J. R. Croes	New York, N. Y.
Talladega and Coosa Valley RR	P. W. Goodwin	Renfroe, Ala.
Terre Haute and Indianapolis RR	A. J. Gibbons, Asst. Eng	Indianapolis, Ind.
Texas and Pacific Ry	E. A. Garvey	Dallas, Tex.
Toledo and Ohio Central Ry	C. Buxton	Toledo, O.
Toledo, St. Louis and Kansas City RR	J. O. Osgood	" "
" " " " "	J. O. Osgood	" "
Union Pacific Ry	V. G. Bogue	Omaha, Neb.
Utah Central Ry	J. W. Fox	Salt Lake City, U. T.
Utah and Nevada Ry	A. F. Doremus	" "
Utah and Northern Ry	J. Blickensderfer	Omaha, Neb.
Versailles and Midway RR	A. B. Rich	Versailles, Ky.
Vicksburg and Meridian RR	J. C. Haugh, Res. Eng	Meridian, Miss.
Vicksburg, Shreveport and Pacific RR	L. A. Stubbs	Monroe, La.
Wabash Ry	C. Hansel, Res. Eng	Springfield, Ill.
Wabash Western Ry	W. S. Lincoln	St. Louis, Mo.
West Shore RR	Walter Katte	New York, N. Y.
West Virginia Central and Pittsburgh RR	James Parsons	Piedmont, W. Va.
Wheeling and Lake Erie Ry	C. A. Wilson	Toledo, O.
Williamsport and North Branch RR	W. A. Mason	Hughesville, Pa.
Wilmington, Chadbourn and Conwayboro Ry	W. H. Chadbourn, Jr	Chadbourn, N. C.
York and Peach Bottom Ry	S. M. Manifold	York, Pa.
Youghiogheny RR	T. Frank Wolf, Eng	Irwin, Pa.
Zanesville and Ohio River RR	E. A. Greene	Zanesville, O.

GENERAL FREIGHT AND PASSENGER AGENTS.

(13) Special List of General Freight and Passenger Agents of all Railroads given in List No. 1.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Addison and North Pennsylvania Ry	F. M. Baker, G. F. & P. A	Addison, N. Y.
Albemarle and Raleigh RR	T. M. Emerson, G. F. & P. A	Wilmington, N. C.
Allegheny Valley RR	E. H. Utley, G. F. & P. A	Pittsburgh, Pa.
Annapolis, Washington and Baltimore RR	J. H. Brown, G. T. & F. A	Annapolis, Md.
Arizona and New Mexico Ry	W. H. Jones, G. T. & P. A	Clifton, Ariz.
Arkansas Midland RR	G. T. Updegraff, G. F. & P. A	Helena, Ark.
Arkansas Valley Route	J. A. Woodson, G. T. & P. A	Little Rock, Ark.
Ashland Coal and Iron Ry	Robert Peebles, G. P. & F. A	Ashland, Ky.
Atchison, Topeka and Santa Fé RR	W. F. White, G. P. & T. A	Topeka, Kan.
" " " "	Joseph Leeds, G. F. A	" "
Atlantic Coast Line	T. M. Emerson, G. F. & P. A	Wilmington, N. C.
Atlantic and North Carolina RR	W. Dunn, G. P. & F. A	New Berne, N. C.
Atlantic and Pacific RR	W. A. Bissell, G. T. & P. A	Albuquerque, N. M.
Augusta, Gibson and Sandersville RR	R. M. Mitchell, G. T. & Pas. Dep.	Augusta, Ga.
Austin and Northwestern RR	A. N. Leitnaker, G. T. & P. A	Austin, Tex.
Baltimore and Delaware Bay RR	Frederick Gerker, G. T. & P. A.	Philadelphia, Pa.
Baltimore and Ohio RR	F. Harriott, G. F. A	Baltimore Md.
" " "	C. K. Lord, G. P. A	" "
Baltimore and Philadelphia RR	F. Harriott, G. F. A	" "
" " "	C. K. Lord, G. P. A	" "
Bangor and Piscataquis RR	Arthur Brown, G. F. & P. A	Bangor, Me.
Bangor and Portland Ry	C. N. Miller, G. F. & P. A	Bangor, Pa.
Batesville and Brinkley RR	John T. Flynn, G. F. & T. A	Brinkley, Ark.
" " "	E. G. Thompson, G. P. A	Augusta, Ark.
Bath and Hammondsport RR	M. H. Hall, G. F. A	Hammondsport, N.Y
" " "	S. S. Fairchild, G. P. A	" "
Bear Lake and Eastern RR	John W. Hills, G. F. A	Bear Lake, Mich.
" " "	M. J. Hopkins, Sup.P. & T. Dept.	" "
Bee Line	D. B. Martin, G. P. & T. A	Cleveland, O.
" "	Edgar Hill, G. F. A	" "
Beech Creek RR	F. E. Herriman, G. F. & P. A	Jersey Shore, Pa.
Bellaire, Zanesville and Cincinnati Ry	J. M. Miller, G. F. & P. A	Zanesville, O.
Bennington and Rutland Ry	H. W. Spafford, G. F. & P. A	Rutland, Vt.
Boston and Albany RR	A. S. Hanson, G. P. A	Boston, Mass.
" " "	H. B. Chapin, G. F. A	" "
Boston, Hoosac Tunnel and Western Ry	C. L. Van Woert, G. F. A	Mechanicsville, N.Y.
" " "	F. B. Furnald, G. P. & T. A	" "
Boston and Lowell RR	H. N. Turner, G. F. A	Boston, Mass.
" " "	G. W. Storer, Asst. G. P. A	" "
Boston and Maine RR	D. J. Flanders, G. P. & T. A	" "
" " "	W. J. C. Kenney, G. F. A	" "
Boston and Providence RR	James Daily, G. T. A	" "
" " "	W. H. Morrill, G. F. A	" "
Boston, Revere Beach and Lynn RR	John A. Fenno, G. T. A	" "
Boston, Winthrop and Shore RR	John A. Fenno, G. T. A	" "
Bradford, Bordell and Kinzua RR	John C. McKenna, G. F. & P. A.	Bradford, Pa.
Bradford, Eldred and Cuba RR	John C. McKenna, G. F. & P. A.	" "
Bridgeton and Saco River RR	J. A. Bennett, G. F. & T. A	Bridgeton, Me.
Brighthope Ry	George M. Wilson, G. F. & P. A.	Richmond, Va.
Brooklyn, Bath and West End RR	H. H. Roberts, G. P. T. & F. A.	Brooklyn, N. Y.
Brooklyn, Flatbush and Coney Island Ry	Percy W. Watkins, G. P. & T. A.	" "
Brunswick and Western RR	J. A. McDuffie G. T. & P. A	" "
Buffalo, New York and Philadelphia RR	J. A. Fellows, G. P. & T. A	Buffalo, N. Y.
" " " "	E. T. Johnson, G. F. A	" "
Buffalo, Rochester and Pittsburgh RR	I. S. Emery, G. P. & F A	Rochester, N. Y.
Burlington, Cedar Rapids and Northern RR	J. E. Hannegan, G. P. & T. A	Cedar Rapids, Ia.
" " " "	John E. Utt, G. F. A	" "
Burlington and Lamoille RR	H. N. Leach, G. F. & P. A	Burlington, Vt.
Burlington and Missouri River RR	P. S. Eustis, G. P. & T. A	Omaha, Neb.
" " "	Thomas Miller, G. F. A	" "
Burlington and Northwestern Ry	John T. Gerry, G. T. & P. A	Burlington, Ia.
Burlington and Western RR	John T. Gerry, G. F. & P. A	" "
Cairo, Vincennes and Chicago Line	J. J. Fletcher, G. F. & P. A	Cairo, Ill.
California Southern RR	H. B. Wilkins, G. F. & P. A	San Diego, Cal.
Camden, Gloucester and Mount Ephraim Ry	C. G. Hancock, G. P. & T. A	Philadelphia, Pa.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Canada Atlantic Ry	Percy R. Todd, G. F. & P. A	Ottawa, Ont.
Canadian Pacific Ry. (Ontario Section)	E. Tiffin, G. F. A	Toronto, Ont.
" " " "	D. McNicoll, G. P. A	Montreal, Que.
Canadian Pacific Ry. (Western Div.)	Robert Kerr, G. F. & P. A	Winnipeg, Man.
Canadian Pacific Ry. (Pacific Div.)	D. E. Brown, G. F. & P. A	Victoria, B. C.
Cape Fear and Yadkin Valley Ry	W. E. Kyle, G. F. & P. A	Fayetteville, N. C.
Cape Girardeau Southwestern Ry	Thomas F. Wheeler, G P. A	Cape Girardeau, Mo.
" " "	Thos. F. Wheeler, G. F. & T. A.	" "
Catasauqua and Foglesville RR	R. E. Williams, G. F. A	Catasauqua, Pa.
" " "	John Williams, G. T. A	" "
Catskill Mountain RR	Charles A. Beach, Supt. & P. A.	Catskill, N. Y.
Central Iowa Ry	J. P. Nourse, G. P. & T. A	Marshalltown, Ia.
" "	T. H. Simmons, G. F. A	" "
Central RR. of Georgia	G. A. Whitehead, G. F. & P. A.	Savannah, Ga.
Central RR. of New Jersey	P. H. Wyckoff, G. F. A.	Elizabeth, N. J.
" " "	H. P. Baldwin, G. P. A	" "
Central Vermont RR	F. H. Brown, F. A	Montreal, Que.
Chateaugay RR	W. C. French, F. A	Plattsburg, N. Y.
" "	M. F. Parkhurst, T. A	" "
Chatham Branch Ry	A. W. Watters, G. F. & T. A.	Chatham, N. B.
Chattaroi Ry	H. B. Butler, G. P. & T. A	Ashland, Ky.
" "	S. C. Welton, G. F. A	" "
Cheraw and Darlington RR	T. M. Emerson, G. F. & P. A.	Wilmington, N. C.
Cheraw and Salisbury RR	T. M. Emerson, G. F. & P. A.	" "
Cherry Valley RR	E. T. Herndon, F. A	Midland, Mo.
Chesapeake and Nashville RR	John W. Radley, G. F. & P. A.	Gallatin, Tenn.
Cheshire RR	F. H. Kingsbury, G. T. A	Keene, N. H.
" "	J. W. Dodge, G. F. A	" "
Chicago and Alton RR	J. Charlton, G P. & T. A	Chicago, Ill.
" "	H. H. Courtright, G. F. A	" "
Chicago and Atlantic Ry	E. C. Donald, G. P. A	" "
" "	A. S. Crane, G. F. A	" "
Chicago, Burlington, and Kansas City RR	Howard Elliott, G. P. & F. A.	Keokuk, Ia.
Chicago, Burlington and Northern RR	W. J. C. Kenyon, G. P. A	St. Paul, Minn.
" "	W. B. Hamblin, G. F. A	" "
Chicago, Burlington and Quincy RR	E. P. Ripley, G. F. A	Chicago, Ill.
" "	Paul Morton, G. P. & T. A	" "
Chicago and Eastern Illinois RR	W. Hill, G. P. & T. A	" "
" "	F. V. Davis, G. F. A	" "
Chicago, Fairchild and Eau Claire River RR	C. M. Wilson, G. F. A	Fairchild, Wis.
Chicago and Indiana Coal Ry	A. M. Nichols, G. F. & P. A	Chicago, Ill.
Chicago, Iowa and Dakota RR	W. S. Porter, G. T. A	Eldora, Ia.
Chicago, Kansas and Western RR	W. F. White, G. P. & T. A	Topeka, Kan.
" "	J. S. Leeds, G. F. A	" "
Chicago, Milwaukee and St. Paul Ry	A. C. Bird, G. F. A	Milwaukee, Wis.
" "	Geo. A. Heafford, G. P. & T. A.	" "
Chicago and Northwestern Ry	E. P. Wilson, G. P. A	Chicago, Ill.
" "	H. R. McCullogh, G. F. A.	" "
Chicago and Ohio River RR	H. M. Bronson, G. P. & T. A	Indianapolis, Ind.
" "	F. N. Boyer, G. F. A	Olney, Ill.
Chicago, Rock Island and Pacific Ry	E. A. Holbrook, G. T. & P. A.	Chicago, Ill.
" "	W. M. Sage, G. F. A.	" "
Chicago, Santa Fé and California Ry	Emmons Blaine, G. F. & P. A.	" "
Chicago and St. Louis RR	Emmons Blaine, G. T. & P. A.	" "
Chicago, St. Paul, Minneapolis and Omaha Ry	T. W. Teasdale, G. P. & T. A.	St. Paul, Minn.
" "	James T. Clark, G. F. A.	" "
Chicago and West Michigan Ry	W. A. Gavett, A. G. P. A	Grand Rapids, Mich.
" "	M. W. Rose, A. G. F. A	" "
Cincinnati, Columbus and Hocking Valley RR	A. M. Simmons, G. F. & P. A	Chicago, Ill.
Cincinnati, Georgetown and Portsmouth RR	E. W. White, G. F. & P. A	Cincinnati, O.
Cincinnati, Hamilton and Dayton RR	A. H. McLeod, G. T. A	" "
" "	C. H. Rockwell, G. P. & T. A.	" "
Cincinnati, Indianapolis, St. Louis and Chicago Ry	John Egan, G. P. & T. A	" "
" "	H. J. Page, G. F. A	" "
Cincinnati, Jackson and Mackinaw RR	H. R. Johnston, G. F. & P. A.	Van Wert, O.
Cincinnati, Lebanon and Northern Ry	P. L. Dudley, G. F. & P. A	Cincinnati, O.
Cincinnati and Muskingum Valley RR	G. W. Davis, G. F. & T. A	Zanesville, O.
Cincinnati, Selma and Mobile Ry	C. H. Cromwell, G. F. & P. A.	Montgomery, Ala.
Cincinnati and Southeastern Ry	N. S. Dudley, G. F. & P. A.	Flemingsburg, Ky.
Cincinnati, Wabash and Michigan Ry	Owen Rice, G. F. & T. A	Elkhart, Ind.
Cincinnati, Washington and Baltimore RR	R. M. Fraser, G. F. A	Cincinnati, O.
" "	C. K. Lord, G. P. A	" "
Cincinnati, Wheeling and New York RR	L. J. Cutler, G. T. & F. A	Cumberland, O.
Clarksburg, Weston and Glenville RR	E. M. Vandervort, G. T. & F. A.	Weston, W. Va.
Cleveland, Akron and Columbus RR	E. C. Janes, G F. & P. A	Akron, O.
Cleveland and Canton RR	Albert Rokusek, G. F. & P. A	Cleveland, O.
Cleveland, Columbus, Cincinnati and Indianapolis Ry	D. B. Martin, G. P. & T. A	" "
" "	Edgar Hilt, G. F. A	" "
Cleveland, Lorrain and Wheeling RR	W. H. Grout, G. F. & P. A	" "
Cleveland and Marietta RR	E. G. Jewett, G. F. & P. A	Cambridge, O.
Cleveland and Western RR	C. W. Risley, G. F. & P. A	Delphos, O.
Cobourg, Peterboro, and Marmora Ry	Jas. R. Barber, Supt. F. & P. A.	Cobourg, Ont.
Columbus and Cincinnati Midland RR	W. E. Reppert, G. P. A	Columbus, O.
" "	C. S. Wight, G. F. A	Pittsburgh, Pa.
Columbus and Eastern RR	W. W. Daniel, G. F. & P. A.	Columbus, O.
Columbus, Hocking Valley and Toledo Ry	H. J. Falkenbach, G. P. & T. A.	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Columbus, Hocking Valley and Toledo Ry	W. A. Mills, G. F. A	Columbus, O.
Columbus and Rome Ry	T. C. S. Howard, G. T. & F. A	Columbus, Ga.
Concord RR	Frank E. Brown, G. T. A	Concord, N. H.
" "	Samuel Barrett, G. F. A	" "
Connecticut and Passumpsic RR	W. J. W. Willard, G. F. A	Londonville, Vt.
" " "	N. P. Lovering, Jr., G. P. & T. A.	" "
Connecticut River RR	H. E. Howard, G. F. A	Springfield, Mass.
Cooperstown and Susquehanna Valley RR	B. M. Cady, G. T. A	Cooperstown, N. Y.
" " "	R. W. Roundy, G. F. A	" "
Cornwall and Lebanon RR	Ned Irish, G. F. & P. A.	Lebanon, Pa.
Crooked Creek RR	G. W. Post, G. F. & P. A.	Lehigh, Ia.
Crown Point and Iron Co.'s RR	W. L. Heffernan, G. F. A.	Crown Point, N. Y.
Cumberland Valley RR	H. A. Riddle, G. P. A	Chambersburg, Pa.
" "	A. L. Langdon, G. F. A	" "
Dayton and Ironton RR	W. B. Williams, G. F. & T. A	Dayton, O.
Dayton and Toledo RR	W. B. Williams, G. F. A	" "
" " "	H. M. Bronson, G. T. A	" "
Delaware, Lackawanna and Western RR	W. F. Holwell, G. P. A	New York, N. Y.
" " " "	William S. Sloan, G. F. A	" "
Denver and Rio Grande RR	S. K. Hooper, G. P. & T. A	Denver, Col.
Denver and Rio Grande Western Ry	J. H. Bennett, G. F. & T. A	Salt Lake City, Utah.
Des Moines and Fort Dodge RR	George L. Hurley, G. F. & T. A.	Des Moines, Ia.
" " "	Wm. H. Given, Trav. F. & P. A.	" "
Des Moines, Osceola and Southern RR	James Donohue, G. F. A	" "
Detroit Bay and Alpena RR	J. C. McCaul, G. F. A	Detroit, Mich.
" " "	T. P. Handy, G. P. A	E. Tawas, Mich.
Detroit, Lansing and Northern RR	E. F. Baker, A. G. F. A	Detroit, Mich.
Detroit, Mackinac and Marquette RR	E. W. Allen, G. P. & T. A	Marquette, Mich.
East St. Louis Connecting Ry	R. N. Bothner, F. A	E. St. Louis, Ill.
East Tennessee, Virginia and Georgia Ry	B. W. Wrenn, G. P. A.	Knoxville, Tenn.
" " " "	T. S. Davant, G. F. A	" "
East and West RR. of Alabama	T. J. Nicholl, G. F. & P. A	Cedartown, Ga.
Elmira, Cortland and Northern RR	G. F. Randolph, G. F. & P. A	Elmira, N. Y.
Emmitsburg RR	J. C. Koscustes, G. F. & T. A	Emmitsburg, Md.
Erie and Huron Ry	W. N. Warburton, G. F. & P. A.	Chatham, Ont.
Erie and Wyoming Valley RR	W. E. Street, G. T. & P. A	New York, N. Y.
Eureka and Palisade RR	J. L. East, G. F. & P. A	Palisade, Nev.
Eutawville RR	S. B. Pickens, G. F. A	Charleston, S. C.
Fitchburg RR	C. L. Hartwell, G. F. A	Boston, Mass.
" "	J. R. Watson, G. P. A	" "
Flint and Pere Marquette RR	David Edward, G. P. A	E. Saginaw, Mich.
" " "	A. Patriarche, G. F. A	" "
Florida Ry. and Navigation Co	A. O. MacDonel, G. P. A	Jacksonville, Fla.
" " " "	C. E. Martin, F. A	Fernandina, Fla.
Florida Southern Ry	O. W. Bromwell, G. F. & P. A	Palatka, Fla.
Fonda, Johnstown and Gloversville RR	M. F. Button, G. F. A	Gloversville, N. Y.
Fort Madison and Northwestern Ry	J. A. McCormick, G. F. & P. A.	Fort Madison, Ia.
Fort Wayne, Cincinnati and Louisville RR	R. F. Kinnard, G. P. & T. A	Fort Wayne, Ind.
" " " "	S. A. Wikel, F. A	" "
Fort Worth and Denver City Ry	W. V. Newlin, G. F. & P. A	Fort Worth, Tex.
Freehold and New York Ry	J. E. Ralph, G. F. & P. A	Freehold, N. J.
Fremont, Elkhorn and Missouri Valley RR	J. R. Buchanan, G. P. A	Missouri Valley, Ia
" " " "	K. C. Morehouse, G. F. A	" "
Fulton Co. Narrow Gauge RR	A. C. Atherton, G. F. & P. A	Lewistown, Ill.
Georgetown and Lane's RR	T. M. Emerson, G. P. & F. A	Wilmington, N. C.
Georgia RR	R. Dorsey, G. F. & P. A	Augusta, Ga.
Grand Southern Ry. of New Brunswick	F. W. Holt, Supt. & F. A	St. George, N. B.
Grand Trunk Ry. (System)	Thomas Tandy, G. F. A	Montreal, Can.
" " " "	William Edgar, G. P. A	" "
Green Bay, Winona, and St. Paul RR	S. W. Champion, G. F. & P. A	Green Bay, Wis.
Gulf, Colorado and Santa Fé Ry	J. S. Clark, G. P. & T. A	Galveston, Tex.
" " " "	William H. Masters, G. F. A	" "
Harrisburg and Potomac RR	C. G. Hancock, G. P. & T. A	Philadelphia, Pa.
Hartford and Connecticut Valley RR	E. McNeill, G. F. A	Hartford, Ct.
" " " "	Walter Pearce, G. P. A	" "
Hot Springs RR	J. N. Conger, G. F. & T. A	Hot Springs, Ark.
Housatonic RR	H. D. Averill, G. T. A	Bridgeport, Ct.
" "	H. C. Cogswell, G. F. A	" "
Houston, East and West Texas Ry	R. S. Collins, G. F. & P. A	Houston, Tex.
Houston and Texas Central Ry	Daniel Ripley, G. T. A	Corsicana, Tex.
" " " "	A. Faulkner, G. P. A	Houston, Tex.
Humeston and Shenandoah RR	H. S. Nelson, G. F. & P. A	Clarinda, Ia.
Illinois Central (System)	A. H. Hanson, G. P. A	Chicago, Ill.
" " "	Horace Tucker, G. F. A	" "
" " "	D. B. Morey, G. F. A	New Orleans, La.
Illinois and St. Louis RR	P. T. Burke, G. F. & P. A	St. Louis, Mo.
Indianapolis, Decatur and Springfield RR	J. S. Lazarus, G. F. & P. A	Indianapolis, Ind.
Indianapolis and St. Louis Ry	D. B. Martin, G. P. & T. A	Cleveland, O.
" " "	Edgar Hill, G. F. A	" "
Indianapolis Union Ry	D. R. Donough, G. T. A	Indianapolis, Ind.
Indiana, Bloomington and Western Ry	H. C. Diehl, G. F. A	" "
" " " "	H. M. Bronson, G. T. A	" "
Indiana, Illinois and Iowa RR	J. H. Palmer, G. F. & P. A	Kankakee, Ill.
Indiana and Illinois Southern and Bloomfield Rys	F. E. Bosler, G. F. & P. A	Sullivan, Ind.
Intercolonial Ry	Arthur Busby, G. P. A	Moncton, N. B.
" "	George Taylor, G. F. A	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Jackson, Tampa and Key West Ry	M. R. Moran, G. P. A.	Jacksonville, Fla.
" " " " "	L. E. Barker, G. F. A.	" "
Jamesville and Washington RR	J. E. Lawrence, G. F. & P. A.	Jamesville, N. C.
Joliet, Aurora and Northern Ry	W. C. Cowgill, G. F. & P. A	Chicago, Ill.
Kanawha and Coal River RR	A. M. Wooldredge, Supt. & G. F. A.	Spring Hill, W. Va.
Kanawha and Ohio Ry	G. J. Ermlich, G. P. & F. A.	Charleston, W. Va.
Kansas City, Fort Scott and Gulf RR	M. L. Sargent, G. F. A.	Kansas City, Mo.
" " " "	J. E. Lockwood, G. P. A.	" "
Kansas City, Clinton and Springfield Ry	M. L. Sargent, G. F. A.	" "
" " " "	J. E. Lockwood, G. P. A.	" "
Kansas City, Springfield and Memphis RR	M. L. Sargent, G. F. A.	" "
" " " "	J. E. Lockwood, G. P. A	" "
Kansas City, Memphis and Birmingham RR	M. L. Sargent, G. F. A.	" "
" " " "	J. E. Lockwood, G. P. & F. A.	" "
Kansas City and Southern RR	W. B. Kane, G. F. & P. A.	Clinton, Mo.
Kansas and Gulf Short Line RR	E. M. Goss, G. F. & P. A.	Tyler, Tex.
Kentucky Central RR	C. L. Brown, G. F. A.	Covington, Ky.
" " "	S. F. B. Morse, G. P. A.	" "
Kentucky and South Atlantic RR	J. M. Kelly, G. F. & P. A	Mt. Sterling, Ky.
Kingston and Pembroke Ry	J. Swift, G. F. & P. A.	Kingston, Ont.
Knox and Lincoln RR	William L. White, G. F. & P. A.	Bath, Me.
Lackawanna and Pittsburgh RR	William G. Booth, G. F. & P. A.	Angelica, N. Y.
Lake Erie and Western Ry	G. W. Smith, G. P. A. W. S. Weed, G. F. A.	Bloomington, Ill.
Lake Erie and Western Ry. (I. & M. C. Div.)	S. B. Sweet, G. P. & F. A.	" "
Lake Shore and Michigan Southern RR	J. T. R. McKay, G. F. A.	Cleveland, O.
" " " "	A. J. Smith, G. P. A.	" "
Lehigh and Hudson River RR	John Sayer, G. P. A.	Warwick, N. Y.
" " "	Frank E. Smith, G. F. A.	" "
Lehigh Valley RR	E. B. Byngton, G. P. A.	Mauch Chunk, Pa.
" "	J. H. Heckman, G. F. A.	" "
Long Island RR	B. Norton, P. A.	Long Island City.
Los Angeles and San Gabriel Valley RR	L. Blankenhorn, G. P. & F. A.	Los Angeles, Cal.
Louisville, Evansville and St. Louis RR	George W. Curtis, Actg. G. P. A.	Louisville, Ky.
" " " "	L. S. Parson, G. F. A.	" "
Louisville and Nashville RR	J. M. Culp, G. F. A.	" "
" " "	C. P. Atmore, G. P. A.	" "
Louisville, New Albany and Chicago Ry	E. O. McCormick, G. P. A.	Chicago, Ill.
" " "	J. J. Coleman, G. F. A.	" "
Louisville, New Albany and Corydon Ry	J. J. Collier, G. F. & P. A.	Corydon, Ind.
Louisville, New Orleans and Texas Ry	E. W. How, G. F. & P. A.	Memphis, Tenn.
Maine Central RR	F. E. Boothby, G. P. A.	Portland, Me.
" " "	W. S. Eaton, G. F. A.	" "
Manitoba and Northwestern Ry	Alexander McDonald, G. F. & P. A	Port La Prairie, M.
Marietta, Columbus and Northern RR	H. C. Vincent, G. P. & F. A.	Marietta, O.
Marietta and North Georgia RR	F. B. Chandler, G. F. & P. A.	Marietta, Ga.
Marquette, Houghton and Ontonagon RR	A. S. Parks, G. F. A.	Marquette, Mich.
Mason City and Fort Dodge RR	George S. Batty, G. F. & P. A.	Mason City, Ia.
Meadville and Linesville Ry	T. A. Delameter, P. & F. A.	Meadville, Pa.
Memphis and Little Rock RR	D. Miller, G. F. & P. A	Little Rock, Ark.
Michigan Central RR	O. W. Ruggles, G. P. A.	Chicago, Ill.
" " "	A. McKay, G. F. A.	" "
Middleburg and Schoharie RR	Theodore Hill, G. F. A.	Middleburg, N. Y.
Milford and Woonsocket RR	W. W. Jenckes, G. F. & P. A.	Milford, Mass.
Milwaukee, Lake Shore and Western Ry	C. V. McKinlay, G. P. A.	Milwaukee, Wis.
" " " "	C. L. Wellington, G. F. A.	" "
Milwaukee and Northern RR	C. F. Dutton, G. P. A.	" "
" " "	J. C. Forrester, G. F. A.	" "
Mineral Range RR	R. H. Brelsford, G. F. & P. A.	Hancock, Mich.
Minneapolis, Lyndale and Minnetonka Ry	Frederick C. Pillsbury, G F & P A	Minneapolis, Minn.
Minneapolis and Pacific Ry	J. G. Taylor, G. P. A.	" "
" " "	H. L. Shute, G. F. A.	" "
Minneapolis and St. Louis Ry	S. F. Boyd, G. P. A.	" "
" " "	S. F. Kimball, G. F. A.	" "
Minneapolis, Sault Ste. Marie and Atlantic Ry	J. G. Taylor, G. P. A.	" "
" " " "	H. L. Shute, G. F. A.	" "
Missouri, Iowa and Nebraska RR	W. S. Speirs, G. F. & P. A.	Keokuk, Ia.
Missouri, Kansas and Texas Ry	W. H. Newman, G. Traf. Man B. W. McCullough, G. P. A. J. E. Galbraith, Asst. G. F. A. H. C. Townsend, G. P. A. L. A. Emerson, G. F. A.	St. Louis, Mo. Dallas, Tex. " " St. Louis, Mo. " "
Missouri Pacific Ry	B. W. McCullough, G. P. & T. A.	Dallas, Tex.
" " "	W. H. Newman, G. Traf. Man.	St. Louis, Mo.
Mobile and Northwestern RR	G. W. Quarles, G. P. & F. A.	Glendale, Miss.
Mobile and Ohio RR	J. L. G. Charlton, G. P. A.	St. Louis, Mo.
Montana Union Ry	R. H. G. Minty, G. F. & T. A.	Butte, Mont.
Montour RR	L. M. Jenkins, G. F. & P. A.	Imperial, Pa.
Montpelier and Wells River RR	F. W. Morse, G. F. & P. A.	Montpelier, Pa.
Montreal and Sorrel Ry	E. C. Wurtele, G. P. & F. A.	Montreal, Que.
Montrose Ry	Asa P. Blakelee, G. F. & P. A.	Mauch Chunk, Pa.
Mount Washington RR	Edward D. Harlow, G. T. A.	Boston, Mass.
Napanee, Tamworth and Quebec Ry	H. B. Sherwood, G. F. & P. A.	Napanee, Ont.
Narragansett Pier RR	G. T. Lanphear, G. T. & F. A.	Peacedale, R. I.
Nashville, Chattanooga and St. Louis Ry	W. L. Danley, G. P. & T. A.	Nashville, Tenn.
" " " "	George R. Knox, G. F. A.	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Natchez, Jackson and Columbus RR	W. H. Lingard, G. F. & P. A.	Natchez, Miss.
Natchez, Red River and Texas RR	J. H. Scott, G. F. & P. A.	Vidalia, La.
Naugatuck RR	L. B. Nickerson, F. A.	Bridgeport, Ct.
Nevada County Narrow Guage RR	George Fletcher, F. & P. A.	Grass Valley, Cal.
New Brunswick Ry	J. F. Leavitt, G. P. A.	St. John, N. B.
" "	F. W. Cram, G. F. A.	" "
Newburg, Dutchess and Connecticut RR	C. L. Kimball, G. F. A.	Matteawan, N. Y.
New Haven and Derby RR	Frederick Quintard, G. F. A.	New Haven, Ct.
New Haven and Northampton RR	R. G. Curtis, P. A.	" "
" " " "	M. C. Parker, G. F. A.	" "
New London Northern RR	W. Cummings, G. P. A.	St. Albans, Vt.
New Mexico and Arizona RR	Joseph Leeds, G. F. A.	Topeka, Kan.
" " "	W. F. White, G. P. A.	" "
Newport News and Mississippi Valley Co. (Eastern Div.)	E. D. Hotchkiss, G. F. A.	Richmond, Va.
" " " "	H. W. Fuller, G. P. A.	Louisville, Ky.
Newport News and Mississippi Valley Co. (Western Div.)	H. W. Fuller, G. P. A.	" "
" " " "	B. F. Mitchell, G. F. A.	" "
New York Central and Hudson River RR	E. Clark, Jr., G. F. A.	New York, N. Y.
" " " "	Henry Monet, G. P. A.	" "
New York, Chicago and St. Louis Ry	G. B. Spriggs, G. F. A.	Cleveland, O.
" " " "	B. F. Horner, G. P. A.	" "
New York City and Northern RR	W. H. Rockwell, G. P. A.	New York, N. Y.
New York and Greenwood Lake Ry	John S. Hammond, G. F. A.	" "
" " " "	L. P. Farmer, G. P. A.	" "
New York, Lake Erie and Western RR	John S. Hammond, G. F. A.	" "
" " " "	L. P. Farmer, G. P. A.	" "
New York and Massachussets RR	J. A. Perkins, G. F. & P. A.	Poughkeepsie, N.Y.
New York and New England RR	A. C. Kendall, G. P. A.	Boston, Mass.
" " " "	George H. Williams, G. F. A.	" "
New York, New Haven and Hartford RR	C. T. Hempstead, G. P. A.	New York, N. Y.
" " " "	Charles Rockwell, G. F. A.	New Haven, Ct.
New York, Ontario and Western Ry	J. C. Anderson, G. F. & P. A.	New York, N. Y.
New York, Pennsylvania and Ohio RR	G. G. Cochran, G. F. A.	Cleveland, O.
" " " "	B. F. Popple (G. En. P. A.)	New York, N. Y.
" " " "	D. E. Holmes (G. So. P. A.)	Cincinnati, O.
" " " "	A. E. Clark, G. P. A.	Cleveland, O.
New York and Sea Beach Ry	James T. Nelson, G. P. & F. A.	New York, N. Y.
New York, Rutland and Montreal Ry	A. W. Perrin, G. P. A.	Bennington Vt.
" " " "	C. P. Van Alstyne, G. F. A.	" "
New York, Susquehanna and Western RR	I. I. Demarest, G. F. & P. A.	New York, N. Y.
Norfolk Southern RR	H. C. Hudgins, G. P. & F. A.	Norfolk, Va.
Norfolk and Western RR	A. Pope, G. F. A.	Roanoke, Va.
" " "	W. B. Bevill, G. P. A.	" "
Northeastern RR	T. M. Emerson, G. F. & P. A.	Wilmington, N. C.
Northern and Northwestern Rys	Robert Quinn, G. P. & F. A.	Toronto, Ont.
North Pacific Coast RR	F. B. Latham, G. P. A.	San Francisco, Cal.
" " "	W. F. Russell, G. F. A.	" "
Northern Adirondack RR	A. C. Allison, G. P. & F. A.	Moira, N. Y.
Northern Pacific RR	J. M. Hannaford, Traf. Man.	St. Paul, Minn.
" "	C. S. Fee, G. P. A.	" "
Ogdensburg and Lake Champlain RR	S. W. Cummings, G. P. A.	St. Albans, Vt.
" "	Frank Owen, G. F. A.	Ogdensburg, N. Y.
Ohio and Mississippi Ry	W. B. Shattuc, G. P. A.	Cincinnati, O.
" "	William Duncan, G. F. A.	St. Louis, Mo.
Ohio and Northwestern RR	T. D. Rhodes, G. P. A.	Cincinnati, O.
" " "	C. H. Goodrich, G. F. A.	" "
Ohio River RR	W. J. Robinson, G. F. & P. A.	Parkersburg, W.Va.
Ohio Southern Ry	D. H. Roche, G. F. A.	Springfield, O.
Old Colony RR	S. C. Putnam, G. F. A.	Boston, Mass.
" "	George L. Connor, G. P. A.	" "
Orange Belt Ry	G. D. Ackerley, G. F. & P. A.	Longwood, Fla.
Oregon and California RR	E. P. Rogers, G. F. & P. A.	Portland, Ore.
Owensboro and Nashville Ry	J. M. Culp, G. F. A.	Louisville, Ky.
" "	C. P. Atmore, G. P. A.	" "
Pacific and Great Eastern Ry	Mark Dean, G. F. A.	Fayetteville Ark.
Pennsylvania RR	John S. Wilson, G. F. A.	Philadelphia, Pa.
" "	James R. Wood, G. P. A.	" "
Pensacola and Atlantic RR	J. M. Culp, G. F. A.	Louisville, Ky.
" " "	Theodore Welch, G. F. A.	Montgomery, Ala.
" " "	C. P. Atmore, G. P. A.	Louisville, Ky.
Pensacola and Perdido RR	J. H. Bagby, G. T. & F. A.	Pensacola, Fla.
Peoria and Pekin Union Ry	T. B. Burnett, G. F. & T. A.	Peoria, Ill.
Philadelphia and Reading RR	C. G. Hancock, G. P. A.	Philadelphia, Pa.
" " "	J. Lowrie Bell, G. Traf. Man.	" "
Pine Bluff and Swan Lake RR	Benjamin Buck, G. F. & P. A.	Pine Bluff, Ark.
Pittsburgh and Castle Shannon RR	E. J. Reamer, G. P. & F. A.	Pittsburgh, Pa.
Pittsburgh, Cincinnati and St. Louis Ry	William Stewart, G. F. A.	" "
" " " "	E. A. Ford, G. P. A.	" "
Pittsburgh, Fort Wayne and Chicago RR	William Steward, G. F. A.	" "
" " " "	E. A. Ford, G. P. A.	" "
Pittsburgh and Lake Erie RR	A. D. Smith, G. P. A.	" "
" " "	Frank A. Dean, G. F. A.	" "
Pittsburgh, Marion and Chicago Ry	H. T. Hanna, G. F. & P. A.	New Galilee, Pa.
Port Huron and Northwestern Ry	I. R. Wadsworth, G. Traf. Man.	Port Huron, Mich.
Portland and Ogdensburg RR	Charles H. Foye, G. T. A.	Portland, Me.
" " "	W. Tolman, G. F. A.	" "

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Port Royal and Augusta RR	E. T. Charlton, G. P. & F. A.	Augusta, Me.
Pratt Coal and Iron Cos. RR	J. B. McClary, G. F. & T. A.	Pratt Mines, Ala.
Prescott and Arizona Central RR	Lemuel H. Wilson, Tr. Man.	Prescott, Ariz.
" " " "	Oscar Vanderbilt, G. P. A.	" "
Profile and Franconia Notch RR	C. H. Greenleaf, G. P. A.	Profile House, N. H.
" " "	George T. Craft, G. F. A.	" "
Providence and Springfield RR	Frederick Arnold, G. P. A.	Providence, R. I.
" " "	W. W. Logee, G. F. A.	" "
Providence and Worcester RR	W. M. Durfee, G. P. A.	" "
" " "	Julius E. Bacon, G. F. A.	" "
Quebec Central Ry	J. H. Walsh, G. F. & P. A.	Sherbrooke, Que.
Quebec and Lake St. John Ry	Alexandre Hardy, G. F. & P. A.	Quebec, Que.
Quincy, Missouri and Pacific RR	F. D. Schermerhorn, G. F. & T. A.	Quincy, Ill.
Reading and Columbia RR	C. G. Huncock, G. T. A.	Philadelphia, Pa.
Richmond and Alleghany RR	J. R. Macmurdo, G. F. & P. A.	Richmond, Va.
Richmond and Danville RR	J. H. Drake, G. F. A.	Washington, D. C.
" " "	James L. Taylor, G. P. A.	" "
Richmond, Fredericksburg and Potomac RR	C. A. Taylor, G. F. & P. A.	Richmond, Va.
Rio Grande RR	H. S. Sherwood, G. F. & T. A.	Brownsville, Tex.
Rock Island and Peoria RR	R. Stockhouse, G. F. & P. A.	Rock Island, Ill.
Rome RR	James A. Smith, G. F. & P. A.	Rome, Ga.
Rome and Carrollton RR	J. H. Garner, G. F. & P. A.	" "
Rome, Watertown and Ogdensburg RR	E. M. Moore, G. F. A.	New York, N. Y.
" " " "	T. Butterfield, G. P. A.	" "
St. Clairsville and Northern RR	A. Thompson, G. P. & F. A.	St. Clairsville, O.
St. Croix and Penobscot RR	John Larmer, G. F. A.	Calais, Me.
St. Helen, Houghton Lake and Western RR	E. F. Jenks, G. F. A.	St. Helen, Mich.
St. John's Ry	F. M. Clark, G. F. & T. A.	Tocoi, Fla.
St. Joseph and Des Moines RR	A. C. Dawes, G. P. A.	St. Joseph, Mo.
" " "	E. J. Swords, G. F. A.	" "
St. Joseph and Grand Island RR	F. Milligan, G. P. & F. A.	" "
St. John's and Halifax RR	E. S. Spencer, G. P. & F. A.	Bolleston, Fla.
St. Joseph and St. Louis RR	H. A. Russell, G. F. & T. A.	St. Joseph, Mo.
St. Joseph Valley RR	Frederick McOmber, G. P. A.	Berrien Springs, M.
St. Louis, Alton and Terre Haute RR	B. F. Blue, G. F. & P. A.	St. Louis, Mo.
St. Louis, Arkansas and Texas Ry	A. S. Dodge, G. F. & P. A.	" "
St. Louis and Cairo RR	R. Bell, A. G. F. & P. A.	" "
St. Louis and Central Illinois RR	W. R. Church, G. F. & T. A.	Springfield, Ill.
St. Louis and Emporia RR	H. C. Townsend, G. F. & P. A.	St. Louis, Mo.
St. Louis and Hannibal RR	W. W. Driggs, G. F. & T. A.	Hannibal, Mo.
St. Louis, Iron Mountain and Southern RR	W. H. Newman, G. Traf. M. Oscar G. Murray, F. Traf. M.	St. Louis, Mo.
St. Louis, Keokuk and Northwestern RR	Howard Elliott, G. F. & P. A.	Keokuk, Ia.
St. Louis and San Francisco Ry	D. Wishart, G. P. A.	St. Louis, Mo.
" " "	George W. Cale, G. F. A.	" "
St. Paul and Duluth RR	E. F. Dodge, G. T. & F. A.	St. Paul, Minn.
" " "	P. A. Rockwell, G. P. A.	" "
St. Paul, Minneapolis and Manitoba Ry	A. L. Mohler, G. F. A.	" "
" " " "	C. H. Warren, G. P. A.	" "
Salem and Eastern RR	E. C. Lackland, G. F. & T. A.	Salem, Mo.
Sandersville and Tennille RR	J. B. Wicker, G. F. A.	Sandersville, Ga.
Sandy River RR	N. B. Beal, G. F. A.	Phillips, Me.
" "	J. E. Thompson, G. T. A.	" "
San Francisco and Northern Pacific RR	Peter J. McGlynn, G. P. A.	San Francisco, Cal.
" " " "	Charles Thorne, Jr., G. F. A.	" "
San Joaquin and Sierra Nevada RR	John Scott, G. P. & F. A.	Woodbridge, Cal.
Savannah, Florida and Western Ry	Wm. P. Hardee, G. P. & F. A.	Savannah, Ga.
Savannah, Griffen and North Alabama RR	G. A. Whitehead, G. F. & P. A.	" "
Schoharie Valley RR	M. J. Vroman, G. T. A.	Schoharie, N. Y.
Scioto Valley Ry	J. J. Archer, G. F. & T. A.	Columbus, O.
Shenandoah Valley RR	O. Howard Royer, G. P. & F. A.	Roanoke, Va.
Shenango and Allegheny RR	I. D. Stinson, G. P. A.	Greenville, Pa.
Silver Springs, Ocala and Gulf RR	G. N. Sausey, G. F. & P. A.	Ocala, Fla.
Sinnemahoning Valley Ry	C. D. R. Stowets, G. P. & F. A.	Buffalo, N. Y.
Sioux City and Pacific RR	J. R. Buchanan, G. P. A.	Missouri Valley, Ia.
" " "	K. C. Morehouse, G. F. A.	" "
Sonoma Valley RR	Peter J. McGlynn, G. P. A.	San Francisco, Cal.
" "	Charles Thorne, Jr., G. F. A.	" "
South Atlantic and Ohio RR	J. Wilder, G. F. A.	Bristol, Tenn.
" " " "	George A. Blackmore, G. P. A.	" "
Southern Kansas Ry	S. B. Hynes, G. F. & P. A.	Lawrence, Kan.
Southern Pacific Co. (Pacific System)	Richard Gray, G. F. A.	San Francisco, Cal.
" " " "	T. H. Goodman, G. P. A.	" "
Southern Pacific Co (Atlantic System)	W. C. Watson, G. P. A.	New Orleans, La.
" " " "	C. C. Gibbs, G. F. A.	Houston, Tex.
South Carolina Ry	D. C. Allen, G. P. A.	Charleston, S. C.
" "	S. B. Pickens, G. F. A.	" "
Southwestern Ry (Ky.)	J. C. Hove, G. P. & F. A.	Harrodsburg, Ky.
Sterling Mountain Ry	E. B. Wilson, G. F. & P. A.	New York, N. Y.
Stewartstown RR	A. G. Bowman, G. T. & F. A.	Stewartstown, Pa.
Stony Clove and Catskill Mountain RR	George Coykendall, G. T. & F. A.	Rondout, N. Y.
Terre Haute and Indianapolis RR	H. W. Hibbard, G. F. A.	St. Louis, Mo.
" " "	E. A. Ford, G. P. A.	" "
Terre Haute and Peoria Ry	Andrew Stevens, G. T. A.	Decatur, Ill.
Texas and New Orleans Ry	W. C. Watson, G. P. A.	New Orleans, La.
" " "	C. C. Gibbs, G. F. A.	Houston, Tex.

NAME OF ROAD.	OFFICERS.	RESIDENCE.
Texas and Pacific Ry	W. W. Finley, G. F. A	Dallas, Tex.
" " "	B. W. McCullough, G. P. A	" "
Texas Trunk RR	H. R. Irvine, G. F. & P. A	" "
Texas Western Ry	S. Packard, G. F. A.	Houston, Tex.
Thousand Islands RR	E. W. Rathbun, G. P. & F. A	Deseronto, Ont.
Tionesta Valley RR	George Horton, G. P. & F. A	Sheffield, Pa.
Toledo, Ann Arbor and North Michigan Ry	W. H. Bennett, G. F. & P. A	Toledo, O.
Toledo, Columbus and Southern Ry	H. E. Pitcher, G. F. & P. A	" "
Toledo and Ohio Central Ry	Hudson Fitch, G. F. & P. A	" "
Toledo, Peoria and Western RR	H. D. Gould, G. F. & P. A	Peoria, Ill.
Toledo, St. Louis and Kansas City RR	C. C. Jenkins, G. F. & P. A	Toledo, O.
Troy and Boston RR	Joseph Crandell, G. F. A	Troy, N. Y.
" " "	C. A. Nimmo, G. P. A	" "
Tuckerton RR	H. N. Gilson, G. F. & P. A	Tuckerton, N. J.
Ulster and Delaware RR	N. A. Simms, G. P. & F. A	Rondout, N. Y.
Union Freight RR	S. C. Putnam, G. F. A	Boston, Mass.
Union Pacific Ry	J. W. Morse, G. P. A	Omaha, Neb.
" " "	D. W. Hitchcock, G. F. A	San Francisco, Cal.
Utah Central Ry	F. Cope, G. P. & F. A	Salt Lake City, Utah.
Utah and Nevada Ry	S. F. Fenton, G. F. & T. A	" "
Utah and Northern Ry	P. P. Shelby, G. F. A	Omaha, Neb.
Vaca Valley and Clear Lake RR	A. V. Stevenson, G. P. & F. A	Vacaville, Cal.
Valley Ry. (Ohio)	R. A. Carran, G. P. & F. A	Cleveland, O.
Terre Haute and Indianapolis RR	H. W. Hibbard, G. F. A	St. Louis, Mo.
" " "	E. A. Ford, G. P. A	" "
Terre Haute and Logansport RR	H. W. Hibbard, G. F. A	" "
" " "	E. A. Ford, G. P. A	" "
Versailles and Midway RR	C. M. Browning, G. F. & P. A	Versailles, Ky.
Virginia and Truckee RR	D. A. Bender, G. F. & P. A	Carson, Nev.
Wabash Ry	M. Knight, G. F. A	Chicago, Ill.
" "	S. W. Snow, G. P. A	" "
Wabash, Chester and Western RR	C. E. Kingsbury, G. F. & P. A	Chester, Ill.
Wabash Western Ry	F. Chandler, G. P. A.	St. Louis, Mo.
" " "	James Smith, G. Traf. Man	" "
Wallkill Valley RR	J. W. Musson, Traf. Man	New York, N. Y.
" "	C. E. Lambert, G. P. A	" "
Western and Atlantic RR	Joseph M. Brown, G. F. & P. A.	Atlanta, Ga.
Western Maryland RR	B. H. Griswold, G. F. & P. A	Baltimore, Md.
Western Ry. of Alabama	C. H. Cromwell, G. P. & F. A	Montgomery, Ala.
West Feliciana RR	Wash. Hands, F. & Tran. A	Woodville, Miss.
Weston and Buckhannon RR	E. M. Vandervoort, G. F. & T. A.	Weston, W. Va.
Wheeling and Lake Erie Ry	J. M. Hall, G. P. A	Toledo, O.
" " "	A. G. Blair, G. F. A	" "
Whitefield and Jefferson RR	Warren G. Brown, G. F A	Whitefield, N. H.
" " "	George R. Storer, G. T. A.	Plymouth, N. H.
White Water RR	R. F. Kinnard, G. P. & T. A	Fort Wayne, Ind.
Williamstown and Delaware River RR	Lowrie Bell, Gen. Traf. Man	Philadelphia, Pa.
" " "	C. G. Hancock, G. P. A	" "
Wilmington and Northern RR	F. B. Hibbard, G. P. & F. A	Wilmington, Del.
Windsor and Annapolis Ry	John Carroll, G. Traf. Man	Kentville, N. S.
" " "	P. Gifkins, G. P. A	" "
Wisconsin Central Line	James Barker, G. P. A	Milwaukee, Wis.
" " "	H. C. Barlow, G. F. A	" "
Worcester and Shrewsbury RR	L. Bigelow, G. T. & P. A	Worcester, Mass.
York and Peach Bottom Ry	S. M. Manifold, G. F. A	York, Pa.
" " "	F. G. Metzger, G. P. A	" "
Youghiogheny RR	James Fleming, G. P. & F. A	Irwin, Pa.

MASTER MECHANICS.

(14) Special List of Master Mechanics of all Railroads given in List No. 1.

NAME OF ROAD.	MASTER MECHANICS.	RESIDENCE.
Adirondack Ry	Jacob Meyers	Saratoga Spr'gs, N.Y
Albert Ry	James McKay	Hillsboro, N. B.
Allegheny Valley RR	John C. Glass	Verona, Pa.
Annapolis, Washington and Baltimore RR	J. L. Beall	Baltimore, Md.
Arkansas Valley Route	F. Hufsmith	Argenta, Ark.
Ashland Coal and Iron Ry	E. M. Roberts	Ashland, Ky.
Atchison, Topeka and Santa Fé RR	George Hackney, Supt. Mach	Topeka, Kan.
Atlantic and Pacific RR	George Hackney, Supt. Mach	" "
Augusta, Gibson and Sandersville RR	F. W. Reany	Augusta, Ga.
Austin and Northwestern RR	P. L. Walker	Austin, Tex.
Baltimore and Ohio RR	Andrew Beckert	Mt. Clare, Balt., Md.
" " "	William Edwards	Martinsburg, W. Va.
" " "	H. N. Wincow	Cumberland, Md.
" " "	Samuel Houston	Piedmont, W. Va.
" " "	S. B. Crawford	Grafton, W. Va.
" " "	Alexander Laird	Wheeling, W. Va.
Baltimore and Ohio RR. (Trans. Ohio Div.)	Alexander Laird	Bellaire, O.
" " " " " "	Thomas Taylor	Sandusky, O.
Baltimore and Ohio RR. (Pittsburgh Div.)	N. Kalbaugh	Glenwood, Pa.
Bangor and Piscataquis RR	C. S. Nason	Bangor, Me.
Bangor and Portland Ry	J. S. Hough	Nazareth, Pa.
Batesville and Brinkley RR	John White	Little Rock, Ark.
Bay of Quinte Ry. and Navigation Co	J. A. Davis	Deseronto, Ont.
Beech Creek RR	L. Ames	Jersey Shore, Pa.
Bellaire, Zanesville and Cincinnati Ry	J. W. Gregg	Zanesville, O.
Bell's Gap RR	G. Van Brunt	Bellwood, Pa.
Belt Railway of Chicago	R. W. Johnson	Chicago, Ill.
Bennington and Rutland Ry	Charles J. McMaster	Rutland, Vt.
Bodie and Benton Ry. and Commercial Co	E. L. Reese	Bodie, Cal.
Boston, Hoosac Tunnel and Western Ry	John Medway	Mechanicsville, N.Y.
Boston and Lowell RR	H. S. Kolseth	E. Cambridge, Mass.
" " "	George A. Ferguson	Lake Village, N. H.
Boston and Providence RR	George Richards	Roxbury, Mass.
Boston, Revere Beach and Lynn RR	R. D. Sutherland	Boston, Mass.
Boston, Winthrop and Shore RR	R. D. Sutherland	" "
Bowling Green and Toledo RR	Frederick Holderman	Bowling Green, O.
Bradford, Bordell and Kinzua RR	E. C. Lasher	Bradford, Pa.
Bradford, Eldred and Cuba RR	E. C. Lasher	" "
Brighthope Ry	A. Gary	Chester, Va.
Brooklyn, Flatbush and Coney Island Ry	W. Finley	Brooklyn, N. Y.
Brunswick and Western RR	W. R. Kline	Brunswick, Ga.
Buffalo, New York and Philadelphia RR	Allen Vail	Buffalo, N. Y.
" " " "	C. E. Turner	Olean, N. Y.
" " " "	H. J. Bookhammer	Oil City, Pa.
Buffalo, Rochester and Pittsburgh RR	C. W. Mills	Rochester, N. Y.
Burlington, Cedar Rapids and Northern RR	R W. Bushnell	Cedar Rapids, Ia.
Burlington and Lamoille RR	F. G. Brownell	Burlington, Vt.
Burlington and Missouri River RR	D. Hawksworth	Plattsmouth, Neb.
Burlington and Northwestern Ry	Adam Metz	Burlington, Ia.
Burlington and Western RR	Adam Metz	" "
Cairo, Vincennes and Chicago Line	F. W. Stapf	Mt. Carmel, Ill.
California Southern RR	C. Daniel	National City, Cal.
Canadian Pacific Ry. (E. Div.)	W. Cross	Carlton Junct., Ont.
Canadian Pacific Ry. (O. Div.)	D. Preston	Toronto, Ont.
Canadian Pacific Ry. (Pacific Div.)	L. R. Johnson	Vancouver, B. C.
Cape Fear and Yadkin Valley Ry	I. W. Clark	Fayetteville, N. C.
Carillon and Grenville RR	John Halsey	Carillon, Can.
Catskill Mountain RR	John L. Driscoll	Catskill, N. Y.
Central Iowa Ry	John Player	Marshalltown, Ia.
Central Ontario Ry	James Falconer	Trenton, Ont.
Central RR. of Georgia	D. M. Gugel	Macon, Ga.
" " "	T. F. Warwick	Augusta, Ga.
Central Vermont RR	N. L. Davis	Rutland, Vt.
" " "	H. M. Whittier	Brattleboro, Vt.
Chateaugay Ry	J. M. Davies	Lyon Mountain, N.Y

NAME OF ROAD.	MASTER MECHANICS.	RESIDENCE.
Chatham Branch Ry	A. Alcorn	Chatham, N. B.
Cheshire RR	F. A. Perry	Keene, N. H.
Chicago and Alton RR. (Kan. C. & St. L. Div.)	William Hill	Slater, Mo.
Chicago and Atlantic Ry	G. D. Brooke	Huntington, Ind.
Chicago, Burlington and Kansas City	W. H. Bartlett	Keokuk, Ia.
Chicago, Burlington and Northern RR	H. B. Bryan	La Crosse, Wis.
Chicago, Burlington and Quincy RR	R. W. Colville	Galesburg, Ill.
" " " "	P. Wallis	Beardstown, Ill.
" " " "	A. Forsyth	" "
" " " "	C. W. Eckerson	Creston, Ia.
Chicago and Eastern Illinois RR	Allen Cooke	Danville, Ill.
Chicago, Fairchild and Eau Claire River RR	Milo Burkart	Fairchild, Wis.
Chicago, Milwaukee and St. Paul Ry	J. M. Lowry, G. M. M.	Milwaukee, Wis.
" " " "	E. Fairbairn	W. Milwaukee, Wis.
" " " "	John Taylor	Racine, Wis.
" " " "	J. O. Pattie	Minneapolis, Minn.
" " " "	B. H. Langley	Winona, Minn.
Chicago and Northwestern Ry	Robert Quayle	Clinton, Ia.
" " "	H. D. Page	Baraboo, Wis.
" " "	J Symons	Escanaba, Mich.
Chicago and Ohio River RR	W. A. Bell	Kansas, Ill.
Chicago, Rock Island and Pacific Ry	T. B. Twombly	Chicago, Ill.
Chicago, St. Paul, Minneapolis and Omaha Ry	M. Ellis	St Paul, Minn.
Chicago and Western Indiana RR	R. W. Johnson	Chicago, Ill.
Cincinnati and Green River RR	Matthew Horton	Yosemite, Ky.
Cincinnati, Indianapolis, St. Louis and Chicago Ry	J. S. Patterson	Cincinnati, O.
Cincinnati, Jackson and Mackinaw RR	B. F. Marshall	Van Wert, O.
Cincinnati, Selma and Mobile Ry	James E. Worswick	Montgomery, Ala.
Cincinnati, Wabash and Michigan Ry.	S. B. Tinker	Wabash, Ind.
Cincinnati, Washington and Baltimore RR	E. Evans	Chillicothe, O.
Cleveland, Akron and Columbus RR	G. M. Taylor	Mt. Vernon, O.
Cleveland and Canton RR	John Bean	Canton, O.
Cleveland, Columbus, Cincinnati and Indianapolis Ry	W. F. Turrett, G. M. M. E. E. Hudson	Cleveland, O.
Cleveland, Lorain and Wheeling RR	C. H. Warburton	Lorain, O.
Cleveland and Marietta RR	A. Galloway	Cambridge, O.
Columbus, Hocking Valley and Toledo Ry	I. G. Hutchins	Columbus, O.
Connecticut and Passumpsic Rivers RR	L. L. Brigham	Londonville, Vt.
Connecticut River RR	W. H. Stearns	Springfield, Mass.
Cumberland Valley RR	A. S. Hull	Chambersburg, Pa.
Danville and New River RR	W. T. Whittaker	Danville, Va.
Delaware and Hudson Canal Co. (Pa. Div.)	C. E Rettew	Carbondale, Pa.
Delaware, Lackawanna and Western RR. (Utica Div.)	T. Thatcher	Utica, N. Y.
Delaware, Lackawanna and Western RR. (M. & E. Div.)	W. H. Lewis	Kingsland, N. J.
Delaware, Lackawanna and Western RR (Osw. & Syr. Div.)	J. Buchanan	Syracuse, N. Y.
Delaware, Lackawanna and Western RR. (Syr., Bin. & N. Y. Div.)	J. Buchanan	" "
Delaware, Lackawanna and Western RR. (Buffalo Div.)	T. B. Griffith	Buffalo, N. Y.
Denver and Rio Grande RR	J. R. Groves	Burnham, Col.
" " "	John Kelker	Pueblo, Col.
" " "	A. W. Jones	Salida, Col.
" " "	G. H. Shone	Alamosa, Col.
" " "	Q. Lamplugh	Leadville, Col.
Denver and Rio Grande Western Ry	S. C. Smith	Salt Lake City, Utah
Denver, Texas and Gulf RR	G. W. Kirk	Denver, Col.
Des Moines, Osceola and Southern RR	W. A. Persing	Osceola, Ia.
Detroit, Bay City and Alpena RR	H. T. Thomas	Tawas City, Mich.
Dunkirk, Alleghany Valley and Pittsburgh RR	J. C. Haggatt	Dunkirk, N. Y.
East Broad Top RR	A. W. Greenwood	Orbisonia, Pa.
East St. Louis Connecting Ry	W. C. Wilson	E. St. Louis, Ill.
East Tennessee, Virginia and Georgia Ry. (E. T. Div.)	J. B. Michael	Knoxville, Tenn.
East Tennessee, Virginia and Georgia Ry. (Ga. Div.)	C. F. Thomas	Atlanta, Ga.
East Tennessee, Virginia and Georgia Ry. (Ala. Div.)	C. L. Petrikin	Selma, Ala.
East and West RR. of Alabama	C. F. West	Cedartown, Ga.
Eastern Kentucky RR	A. W. Crawford	Hunnewell, Ky.
Elmira, Cortland and Northern RR	Thomas Kearsley	Cortland, N. Y.
Erie and Wyoming Valley RR	A. J. Crane	Dunmore, Pa.
Eureka and Palisade RR	J. M. Crawford	Palisade, Nev.
Eureka Springs Ry	J. B. Obenshain	Eureka Springs, Ark.
Evansville and Terre Haute RR	John Torrance	Evansville, Ind.
Flint and Pere Marquette RR	T. J. Hatswell	E. Saginaw, Mich.
Florida Ry. and Navigation Co	L. S. Randolph	Fernandina, Fla.
Florida Southern Ry	W. M. Rutherford	Fort Mason, Fla.
Fonda, Johnstown and Gloversville RR	G. V. Putnam	Gloversville, N. Y.
Fort Wayne, Cincinnati and Louisville RR	T. H. Haberkorn	Fort Wayne, Ind.
Fort Worth and Denver City Ry	R. M. Kiley	Fort Worth, Tex.
Franklin and Megantic RR	William H. Dyer	Strong, Me.
Fremont, Elkhorn and Missouri Valley RR	S. A. Teal	Missouri Valley, Mo.
Galveston, Sabine and St. Louis Ry	D. D. Pinkham	Longview, Tex.
Georgia RR	John S. Cook	Augusta, Ga.
Grand Southern Ry. of New Brunswick	Thomas Logan	St. George, N. B.
Grand Tower and Carbondale RR	John Lewis	Mt. Carbon, Ill.
Green Bay, Winona and St. Paul RR	A. Fenwick	Green Bay, Wis.
Gulf, Colorado and Santa Fé Ry	W. H. Reilly	Galveston, Tex.
Hannibal and St. Joseph RR	George Thompson	Kansas City, Mo.
Hanover Branch RR	E. A. Josselyn	Hanover, Mass.

NAME OF ROAD.	MASTER MECHANICS.	RESIDENCE.
Harrisburg and Potomac RR	L. D. Gutschall	Boiling Springs, Pa.
Hartford and Connecticut Western RR	A. J. Broughel	Hartford, Ct.
Hot Springs RR	Leonard Finlay	Malvern, Ark.
Housatonic RR	N. Slingland	Falls Village, Ct.
Houston, East and West Texas Ry	E. A. Campbell	Houston, Tex.
Houston and Texas Central Ry	L. C. Noble	" "
Humeston and Shenandoah RR	J. S. Hazen	Shenandoah, Ia.
Illinois Central System	J. B. Adams	Amboy, Ill.
" " "	William Griffin	Clinton, Ill.
" " "	T. W. Place	Waterloo, Ia.
" " "	T. J. Price	Water Valley, Miss.
" " "	W. B. McKenna	McComb, Miss.
Illinois and St Louis RR	D. J. Timlin	Belleville, Ill.
Indianapolis, Decatur and Springfield RR	J. McKenna	Indianapolis, Ind.
Indianapolis and St. Louis Ry	William Garstang	Brightwood, Ind.
Indianapolis Union Ry	John Caffrey	Indianapolis, Ind.
Indiana, Bloomington and Western Ry	John King	" "
Indiana, Illinois and Iowa RR	J. D. Ackley	Kankakee, Ill.
Indiana and Illinois Southern and Bloomfield Rys	W. B. Bernard	Palestine, Ill.
International Ry	H. Ansell	Sherbrooke, Que.
Iron Ry	George Myers	Ironton, O.
Jacksonville Southeastern Ry	Ira F. Petrie	Jacksonville, Ill.
Jacksonville, Tampa and Key West Ry	J. H. Burnett	" "
Kansas City, Clinton and Springfield Ry	J. S. McCrum	Kansas City, Mo.
Kansas City, Fort Scott and Gulf RR. Co	J. S. McCrum	" "
Kansas City, St. Joseph and Council Bluffs RR	F. A. Chase	St. Joseph, Mo.
Kansas City and Southern RR	O. H. McKinney	Clinton, Mo.
Kansas City, Springfield and Memphis RR	J. S. McCrum	Kansas City, Mo.
Kansas, Gulf and Short Line RR	J. J. Baglish	Tyler, Tex.
Kent Northern Ry	E. Amireau	Richibucto, N. B.
Kentucky Central RR	S. R. Tuggle	Covington, Ky.
Kentucky and South Atlantic RR	W. W. Layman	Mt. Sterling, Ky.
Lake Erie and Western Ry. (I. & M. C. Div.)	John Hewitt	Peru, Ind.
Lake Shore and Michigan Southern Ry. (Eastern Div.)	John Robinson	Buffalo, N. Y.
Lake Shore and Michigan Southern Ry. (Tol. Div.)	J. M. Sanborn	Norwalk, O.
Lake Shore and Michigan Southern Ry. (Western Div.)	W. L. Gilmore	Elkhart, Ind.
Lehigh Valley RR	A. Mitchell	Wilkesbarre, Pa.
" "	J. J. Kinsey	S. Easton, Pa.
" "	David Clark	Hazleton, Pa.
" "	John Campbell	Delano, Pa.
" "	P. Hofecker	Weatherly, Pa.
Long Island RR	C. A. Thompson	Long Isl'nd City, N.Y
Los Angeles and San Gabriel Valley RR	John Simpson, Jr.	Los Angeles, Cal.
Louisville, Evansville and St. Louis RR	W. A. Stone	Evansville, Ind.
Louisville and Nashville RR. (L. C. & L. Div.)	William Adair	Louisville, Ky.
Louisville and Nashville RR. (Louisville Div.)	Pulaski Leeds	" "
Louisville and Nashville RR. (Edgefield & S. N. Shops)	W. P. Pike	Edgefield, Tenn.
Little Rock and Fort Smith Ry	F. Hufsmith	Argenta, Ark.
Little Rock Junction Ry	F. Hufsmith	" "
Little Rock, Mississippi River and Texas Ry	F. Hufsmith	" "
Louisville and Nashville RR. (Bowling Green)	H. M. Lund	Bowling Green, Ky.
Louisville and Nashville RR. (S. & N. A. Div.)	C. F. Giles	Birmingham, Ala.
Louisville and Nashville RR. (N. O. & M. Div.)	J. C. Clifford	Mobile, Ala.
Louisville and Nashville RR. (St. L. Div.)	Thomas Walsh	Mt. Vernon, Ill.
Louisville and Nashville RR. (P. Div.)	W. D. Robb	Pensacola, Fla.
Louisville and Nashville RR. (Memp. Line)	J. V. Slusser	Memphis, Tenn.
Louisville, New Albany and Chicago Ry	James Long	New Albany, Ind.
Maine Central RR	Amos Pillsbury	Waterville, Me.
Manhattan Railway	T. W. Peeples	New York, N. Y.
Marietta, Columbus and Northern RR	J. M. Sheets	Marietta, O.
Marietta and North Georgia RR	C. C. Chester	Marietta, Ga.
Marquette, Houghton and Ontonagon RR	W. A. Mahan	Marquette, Mich.
Mason City and Fort Dodge RR	Bernard Reiley	Fort Dodge, Ia.
Memphis and Little Rock RR	T. Rennell	Argenta, Ark.
Michigan Central RR	C. E. Smart, G. M. M	Jackson, Mich.
" "	J. G. Riley	Chicago, Ill.
Milwaukee, Lake Shore and Western RR	John Hickey	Kaukauna, Wis.
Milwaukee and Northern RR	N. S. Kimball	Fort Howard, Wis.
Mineral Range	John Shields	Hancock, Mich.
Minneapolis, Lyndale and Minnetonka Ry	W. Tweedie	Minneapolis, Minn.
Minneapolis and St. Louis Ry	G. F. Wilson	" "
Minneapolis, Sault Ste. Marie and Atlantic Ry	T. A. Fraser	" "
Minnesota and Northwestern RR	T. W. Heintzelman	St. Paul, Minn.
Missouri, Kansas and Texas Ry	C. W. Clarke	Denison, Tex.
Missouri, Kansas and Texas Ry. North of Denver	T. W. Newell	Parsons, Kan.
" " " " "	William O. Herrin	" "
Missouri Pacific Ry	L. Bartlett	St. Louis, Mo.
Mobile and Ohio RR. (St. L. Div.)	T. W. Newell	E. St. Louis, Ill.
Nantucket RR	C. M. Stansbury	Nantucket, Mass.
Napanee, Tamworth and Quebec Ry	J. A. Davis	Deseronto, Ont.
Nashville, Chattanooga and St. Louis Ry	James Cullen	Nashville, Tenn.
Nevada County Narrow Gauge RR	J. C. McCormick	Grass Valley, Cal.
Newburg, Dutchess and Connecticut RR	G. D. Holmes	Dutchess J., N. Y.
New Haven and Northampton RR	Henry Fox	New Haven, Ct.
New London and Northern RR	I. W. Dow	New London, Ct.
New York Central and Hudson River RR	Peter McQueen Gibson	W. 31st St., N.Y. City

OF THE UNIVERSITY OF CALIFORNIA

NAME OF ROAD.	MASTER MECHANICS.	RESIDENCE.
New York Central and Hudson River RR	John Ortton	West Albany, N. Y.
" " "	L. L. White	Syracuse, N. Y.
" " "	A. Gould	East Buffalo, N. Y.
New York, Chicago and St. Louis Ry	E. A. Miller	Conneaut, O.
New York, Chicago and St. Louis Ry. (Western Div.)	W. H. Lewis	Stony Island, Ill.
New York and Greenwood Lake Ry	F. A. Stinard	Pompton Junc., N.J.
New York, Lake Erie and Western RR. (Eastern Div.)	J. H. Vreeland	Jersey City, N. J.
New York, Lake Erie and Western RR. (Dela. Div.)	J. Van Vechten	Port Jervis, N. Y.
New York, Lake Erie and Western RR. (Susque. Div.)	V. Blackburn	Susquehanna, N. Y.
New York, Lake Erie and Western RR. (Buff. Div.)	William Lits	Buffalo, N. Y.
New York, Lake Erie and Western RR. (Western Div.)	J. Hawthorne	Hornellsville, N. Y.
New York and Massachusetts RR	J. L. Donaldson	Poughkeepsie, N. Y.
New York and New England RR	W. H. Griggs	Norwood Cent., Mass
" " "	E. M. Humstone	Hartford, Ct.
" " "	S. T. Whaley	Norwich, Ct.
New York, New Haven and Hartford RR	O. C. Lackey, Hart. Div	Hartford, Ct.
New York, Ontario and Western RR	E. Minshull	Middletown, N. Y.
New York, Pennsylvania and Ohio RR. (Eastern Div.)	J. A. Cooper	Meadville, Pa.
New York, Pennsylvania and Ohio RR. (Western Div.)	C. J. Clifford	Galion, O.
New York, Pennsylvania and Ohio RR. (Mahoning Div.)	G. W. West	Cleveland, O.
New York, Providence and Boston RR	L. M. Butler	Providence, R. I.
New York and Sea Beach Ry	Orrin R. Whitney	Bay Ridge, L. I.
New York, Susquehanna and Western RR	W. C. Ennis	Wortendyke, N. J.
New York, Woodhaven and Rockaway RR	William Le Seur	RockawayB'ch, N.Y.
Norfolk Southern RR	J. S. Whitworth	Berkley, Va.
Northern Adirondack RR	M. Callahan	St. Regis Falls, N.Y.
Ohio River RR	E. E. Jenks	Parkersburg, W. Va.
Old Colony RR. (Main Line & C. C. Div.)	F. M. Twombly	Boston, Mass.
Old Colony RR. (Nor. Div.)	A. W. Twombly	Taunton, Mass.
Olympia and Chehalis Valley RR	F. Tillotsen	Olympia, W. T.
Oregon and California RR	A. Brandt	E. Portland, Ore.
Oregon Ry. and Navigation Co	C. C. Hobart	The Dalles, Ore.
Oxford and Henderson RR	James E. Lawrence	Henderson, N. C.
Peach Bottom RR	W. P. Kirk	Oxford, Pa.
Pennsylvania RR. System	Theo. N. Ely, G. S. Mot. Power	Altoona, Pa.
Pennsylvania RR	D. D. Garrett	W. Philadelphia, Pa.
" "	Edward L. Caum	Harrisburg, Pa.
" "	Isaiah Paxson	Lewistown, Pa.
" "	W. H. Carothers	Tyrone, Pa.
" "	G. W. Strattan	Altoona, Pa.
" "	R. Zane	Conemaugh, Pa.
" "	W. B. Norris	Blairsville, Pa.
" "	D. O. Shaver	Pittsburgh, Pa.
Pensacola and Atlantic RR	N. D. Robb	Pensacola, Ala.
Peoria and Pekin Union Ry	R. F. Hurd	Peoria, Ill.
Pittsburg and Castle Shannon RR	H. Ward	Castle Shannon, Pa.
Pittsburgh and Lake Erie RR	S. W. Haines	Pittsburgh, Pa.
Port Huron and Northwestern Ry	C. C. Diefenbach	Port Huron, Mich.
Portland and Rochester RR	C. Thompson	Portland, Me.
Prospect Park and Coney Island RR	Martin Painter	Brooklyn, N. Y.
Providence and Springfield RR	George Futley	Providence, R. I.
Quebec Central Ry	James Severight	Sherbrooke, Que.
Quebec and Lake St. John Ry	M. Wakefield	St. Raymond, Que.
Richmond and Allegheny RR	William Hassman	Richmond, Va.
Richmond, Fredericksburg and Potomac RR	H. Kahn	" "
Richmond and Petersburg RR	John O'Brien	" "
Rock Island and Peoria Ry	Joseph Elder	Peoria, Ill.
Rome RR	O. W. Harbin	Rome, Ga.
Sabine and East Texas RR	J. J. Ryan	Houston, Tex.
St. Croix and Penobscot RR	G. H. Corson	Milltown, Me.
St. Clairsville and Northern RR	J. Shallcross	St. Clairsville, O.
St. Helen, Houghton Lake and Western RR	Isaac Hopkins	St. Helen, Mich.
St. Johns Ry	J. M. Owens	St. Augustine, Fla.
St. Joseph and Des Moines RR	F. A. Chase	St. Joseph, Mo.
St. Louis, Alton and Terre Haute RR	P. H. Murphy	E. St. Louis, Ill.
St. Louis, Arkansas and Texas Ry	W. H. Selby	Tyler, Tex.
St. Louis and Cairo RR	E. I. Newell	E St. Louis, Ill.
St. Louis, Creve Cœur and St. Charles Ry	E. W. Church	Florissant, Mo.
St. Louis, Fort Scott and Wichita RR	H. Borger	Reece, Kan.
St. Louis and Hannibal RR	Richard J. Whalen	Oakwood Jct., Mo.
St. Louis, Iron Mountain and Southern RR	W. H. Harris	De Soto, Mo.
St. Louis, Keokuk and Northwestern RR	W. H. Bartlett	Keokuk, Ia.
St. Paul and Duluth RR	C. F. Ward	St. Paul, Minn.
St. Paul, Minneapolis and Manitoba RR	W. T. Reed	"
San Antonio and Aransas Pass RR	P. J. Milan	San Antonio, Tex.
Sandy River RR	M. Saunders	Phillips, Me.
San Francisco and North Pacific RR	Edward Reynolds	Donahue, Cal.
San Pete Valley RR	B. Bates	Wales, W. T.
Saratoga, Mount Gregor and Lake George RR	Thomas Todd	Saratoga Spa, N. Y.
Sea View RR	William Finley	Flatbush, N. Y.
Scioto Valley RR	R. Bromley	Portsmouth, O.
Seaboard and Roanoke RR	C. W. Walker	Portsmouth, Va.
Sea View RR	William Finley	Flatbush, N. Y.
Shelby Iron Co.'s RR	John S. Chester	Shelby I.-W., Ala.
Shenandoah Valley RR	D. T. Kelsey	Mines, Va.
Shenango and Allegheny RR	E. Richardson	Shenango, Pa.

NAME OF ROAD.	MASTER MECHANICS.	RESIDENCE.
Shepang, Litchfield and Northern RR	Mr. Hollister	Litchfield, Ct.
Somerset Ry	C. Crowell	No. Anson, Me.
Sonoma Valley RR	Edward Reynolds	Donahue, Cal.
Southern Pacific Co. (Pacific System)	A. J. Stevens	Sacramento, Cal.
Southern Pacific Co. (Atlantic System)	J. J. Ryan	San Antonio, Tex.
Southeastern Ry	R. McLeod	Farnham, Que.
Syracuse, Ontario and New York RR	Edward Sawyer	Syracuse, N. Y.
Tennessee Central RR	C. E. Sampson	Spring City, Tenn.
Texas and New Orleans Ry	J. J. Ryan	Houston, Tex.
Texas and Pacific Ry	J. W. Addis	Goldsboro, La.
" " "	A. H. Watts	Marshall, Tex.
Thousand Islands Ry	J. A. Davis	Deseronto, Ont.
Toledo and Ohio Central Ry	J. B. Morgan	Bucyrus, O.
Toledo, Peoria and Western RR	B. Warren	Peoria, Ill.
Toledo, St. Louis and Kansas City RR	T. Robertson	Delphos, O.
Union Pacific Ry	C. Hackney, S. M. P. & C. D.	Omaha, Neb.
Union Pacific Central Branch RR	R. H. Emerson	Atchison, Kan.
Utah and Northern Ry	Clement Hackney	Omaha, Neb.
Valley Railway (Ohio)	C. T. Johns	Cleveland, O.
Versailles and Midway RR	A. B. Rich	Versailles, Ky.
Vicksburg and Meridian Ry	James Meehan, S. M. P. & M.	Ludlow, Ky.
Vicksburg, Shreveport and Pacific Ry	W. B. Smith	Monroe, La.
Warren and Farnsworth RR	P. Savage	Clarendon, Pa.
Western and Atlantic RR	M. L. Collier	Atlanta, Ga.
Western Railway of Alabama	J. E. Worswick	Montgomery, Ala.
Western Railway of Florida	C. H. Blakeslee	Gr'n C've Sp'gs, Fla.
West Feliciana RR	J. A. Tilton	Woodville, Miss.
West Shore RR	Thomas Aldcorn	New Durham, N. Y.
" " "	James McBeth	Kingston, N. Y.
West Virginia Central and Pittsburgh RR	E. W. Lippincott	Piedmont, W. Va.
Wheeling and Lake Erie Ry	O. P. Dunbar	Norwalk, O.
White Water RR	T. H. Haberkorn	Fort Wayne, Ind.
Williamsport and North Branch RR	G. Woodley	Hughesville, Pa.
Wilmington and Northern RR	George Rommel	Wilmington, Del.
Windsor and Annapolis Ry	W. Yould	Kentville, N. S.
Wisconsin Central Line	H. A. Barnes	Stevens Point, Wis.
Worcester and Shrewsbury RR	C. A. Cleveland	Worcester, Mass.

RICHARD VOSE,

PATENTEE AND MANUFACTURER OF

GRADUATED SPRINGS

For Freight and Passenger Cars,

PEDESTAL ✱ BOLSTER, ✱ EQUALIZERS,

And all other Styles of Car Springs,

13 BARCLAY STREET, NEW YORK.

Represented by WILLIAM P. WILLIAMS, 190 Washington St., Chicago.
A. W. SLEE, St. Louis, Mo. JOHN S. SILVER, Home Office.

MASTER CAR BUILDERS.

(15) Special List of Master Car Builders of all Railroads given in List No. 1.

NAME OF ROAD.	MASTER CAR BUILDERS.	RESIDENCE.
Adirondack Ry	J. J. Traver	SaratogaSpr'gs,N.Y.
Allegheny Valley RR	John Cowan	Verona, Pa.
Arkansas Midland RR	J. L. Worthley	Helena. Ark.
Arkansas Valley Route	F. Hufsmith	Argenta, Ark.
Atchison, Topeka and Santa Fé RR	H. M. Perry	Topeka. Kan.
Atlantic and North Carolina RR	Jacob Taylor.	New Berne, N. C.
Baltimore and Ohio RR	E. W. Grieves	Baltimore, Md.
Bangor and Piscataquis RR	C. H. Comins, M. C. R	Oldtown, Me.
Bangor and Portland	David Vankirk	Bangor, Pa.
Bellaire, Zanesville and Cincinnati Ry	J. W. Gregg, M. M. & C. R.	Zanesville, O.
Bell's Gap RR	A. Zimmerman, For. C. R.	Bellwood, Pa.
Bodie and Benton Ry. and Commercial Co	J. H. Wymon, M. of C. R.	Bodie, Cal.
Boston and Albany RR	F. D. Adams, G. M. C. B	Allston, Mass.
Boston and Maine RR	D. C. Richardson	Lawrence, Mass.
Boston and Providence RR	John Lightner	Roxbury, Mass.
Boston, Winthrop and Shore RR	John Coghlan	E. Boston, Mass.
Canadian Pacific Ry	J. R. Reniff, For. C. R	Montreal, Que.
Carillon and Grenville RR	A. Boileau	Carillon, Can.
Central Iowa Ry	E. E. Carver	Marshalltown, Ia.
Central RR. of Georgia	S. A. Charpiot	Macon, Ga.
Central Vermont RR	N. L. Davis, M. M. & C. B	Rutland, Vt.
" " "	H. M. Whittier, M. M. & C. B	Brattleboro, Vt.
Chateaugay RR	A. C. Kinney, M. C. R	LyonMountain,N.Y.
Cheshire RR	A. E. Howard	Keene, N. H.
Chicago, Fairchild and Eau Claire River RR	P. Brown.	Fairchild, Wis.
Chicago, Rock Island and Pacific Ry	B. K. Verbruyck	Chicago, Ill.
Chicago, St. Paul, Minneapolis and Omaha Ry	H. L. Preston	Hudson, Wis.
Cincinnati, Hamilton and Dayton RR	W. H. H. Allison, M. C. R	Cincinnati, O.
Cincinnati, Jackson and Mackinaw RR	S. S. Rigby, M. C. R	Van Wert, O.
Cincinnati, Wabash and Michigan Ry	G. C. Petty, For. C. B	Wabash, Ind.
City and Suburban Ry	James A. Mallette, M. C. R	Savannah, Ga.
Cleveland, Akron and Columbus RR	Charles Roberts, M. C. R	Mt. Vernon, O.
Cobourg, Peterboro and Marmora Ry	P. Sandry, M. of C. R	Cobourg, O.
Columbus, Hocking Valley and Toledo Ry	J. M. Rockafield	Columbus, O.
Columbus and Rome Ry	A. J. Nix, M. C. R	Columbus, Ga.
Connecticut and Passumpsic Rivers RR	L. F. Woodward	Londonville, Vt.
Crown Point Iron Co.'s RR	Z. C. Sherman, M. C. R	Crown Point, N. Y
Cumberland and Pennsylvania RR	Nathan Binix	Mt. Savage, Md.
Delaware and Hudson Canal Co. (Pennsylvania Div.)	T. Orchard	Carbondale, Pa.
Delaware Lackawanna and Western RR	R. McKenna	Scranton, Pa.
Des Moines and Fort Dodge RR	E. A. Avery	Grand Junction, Ia.
Des Moines, Osceola and Southern RR	J. Houston, M. of C. R	Osceola, Ia.
Erie and Wyoming Valley RR	G. W. Simpson	Dunmore, Pa.
Eureka and Palisade RR	A. S. Longley, M. C. R	Palisade, Nev.
Evansville and Terre Haute RR	J. T. McCallam	Evansville, Ind.
Fall Brook Coal Co	C. J. Butler, M. C. R	Corning, N. Y.
Freehold and New York Ry	C. H. Snedeker	Freehold, N. J.
Fremont, Elkhorn and Missouri Valley RR	W. H. Ramseyer	Missouri Valley, Ia.
Georgia RR	T. M. Preval	Augusta, Ga.
Houston, East and West Texas Ry	C. Shilawa	Houston, Tex.
Houston and Texas Central Ry	James McGee	" "
Illinois Central System	W. B. Snow	Chicago, Ill.
Kansas City, Fort Scott and Gulf RR	A. N. Montier	Kansas City, Mo.
Kansas, Gulf and Short Line RR	H. C. Womeldorf, M. C. R	Tyler, Tex.
Knox and Lincoln RR	C. L. Turner	Bath, Me.
Lake Shore and Michigan Southern Ry	John Kirby	Cleveland, O.
Lake Shore and Michigan Southern Ry. (Eastern Div.)	A. C. Robson	Buffalo, N. Y.
" " " " "	J. Withycomb	Cleveland, O.
Lake Shore and Michigan Southern Ry. (Toledo Div.)	W. V. Smith	Norwalk, O.
Lake Shore and Michigan Southern Ry. (Michigan Div.)	F. O. Bray	Adrian, Mich.
Lake Shore and Michigan Southern Ry. (Western Div.)	T. B. Kirby	Chicago, Ill.
Little Rock and Fort Smith Ry	F. Hufsmith	Argenta, Ark.
Little Rock Junction Ry	F. Hufsmith	" "
Little Rock, Mississippi River and Texas Ry	F. Hufsmith	" "
Los Angeles and San Gabriel Valley RR	W. H. Leeds	Los Angeles, Cal.

NAME OF ROAD.	MASTER CAR BUILDERS.	RESIDENCE.
Louisville, New Albany and Chicago Ry	Charles Collier, M. C. R.	New Albany, Ind.
Maine Central RR	C. H. Kenison	Augusta, Me
Manhattan Ry	H. A. Webster, For. C. R.	New York, N. Y.
Marquette, Houghton and Ontonagon RR	H D. Lyons	Marquette, Mich.
Michigan Central RR	E. D. Bronner, For. C. R.	Detroit, Mich.
" " "	Robert Potts, For. C. R.	St. Thomas, Ont.
Missouri Pacific Ry	S. Irvin	St. Louis, Mo.
Mobile and Spring Hill RR	J. E. Smith, M. C. R.	Mobile, Ala.
Montour RR	Henry Newman, M. C. R.	Imperial, Pa.
Montpelier and Wells River RR	C. F. Robinson, M. C. R.	Montpelier, Vt.
Napanee, Tamwort and Quebec Ry	E. M. Wallbridge, For. C. R	Napanee, Ont.
Natchez, Jackson and Columbus RR	J. G. Enders, For. C. R.	Natchez, Miss.
Newburg, Dutchess and Connecticut RR	G. D. Holmes	Dutchess Junc., N.Y
New Haven and Derby RR	John M. Whitlock, M. C. R.	New Haven, Ct.
New Haven and Northampton RR	John Sweeny, For. C. R.	" "
New Jersey and New York RR	L. B. Van Wagnen	Hillsdale, N. J.
New York Central and Hudson River RR	L Packard	West Albany, N. Y.
" " " "	Peter Smith	East Rochester, N.Y.
" " " "	E. Chamberlain	East Buffalo, N. Y.
New York and New England RR	E. E. Pratt	orwood Cen., Mass.
New York, New Haven and Hartford RR	J. Whitmore, Hart. Div.	Hartford, Conn.
Ogdensburg and Lake Champlain RR	H. S Leach	Malone, N. Y.
Oregon Ry. and Navigation Co.	P. Carlson, For. C. B.	Dalles, Ore.
Peach Bottom RR	E. H. Williams	York, Pa.
Pittsburgh and Castle Shannon RR	W. E. Long	Pittsburgh, Pa.
Port Huron and Northwestern Ry	B. Hillier	Port Huron, Mich.
Portland and Ogdensburg RR	W. G. Brewer, M. C. R.	Portland, Me.
Portland and Rochester RR	E H. C. Thompson, M. C. R	" "
Richmond and Allegheny RR	William Hassman	Richmond, Va.
Richmond and Danville RR	I. B. Vaughan	" "
" " "	J. C. Holt	Compy's Shops, N.C.
" " "	Z H. Smith	Atlanta, Ga.
Richmond, Fredericksburg and Potomac RR	W. H. Trainham	Richmond, Va.
Rio Grande RR	H. Markwood, M. C. R.	Point Isabel, Tex.
St. Croix and Penobscot RR	H. C. Tinker	Calais, Me.
Seaboard Air Line	S. R. Etheridge	Laurenburg, N. C.
Seaboard and Roanoke RR	D. W. Ballentine	Portsmouth, Va.
Shepaug, Litchfield and Northern RR.	Edward Clark	Litchfield, Ct.
Somerset Ry	S. P. Mosher, M C. R.	Oakland Me.
Southern Pacific Co. (Pacific System)	Benjamin Welch	Sacramento, Cal.
Southern Pacific Co. (Atlantic System)	J. Hildebrand	Algiers, La.
Troy and Boston RR	A. Brewer	Troy, N. Y.
Ulster and Delaware River RR	A. E. Benson, M. C. R.	Rondout, N. Y.
Terre Haute and Indianapolis RR	William Berry	Terre Haute, Ind.
Terre Haute and Logansport RR	William Berry	" "
Wabash Western Ry	John Lange	Moberly, Mo.
Western and Atlantic RR	William Kenyon	Atlanta, Ga.
Wisconsin Central Line	William Cormack	Stevens Point, Wis.
York and Peach Bottom Ry	Samuel Rupp, M. C. R.	York, Pa.

MASTER CAR PAINTERS.

(16) Special List of Master Car Painters of all Railroads given in List No. 1.

NAME OF ROAD.	MASTER CAR PAINTERS.	RESIDENCE.
Allegheny Valley RR	John P. Strond	Verona, Pa.
Atlantic and Pacific RR	Z. Gervais	Albuquerq, N. M.
Baltimore and Ohio RR. (Main Stem)	E. L. Bigelow	Baltimore, Md.
" " " "	J. H. Stout	Grafton, W. Va.
Baltimore and Ohio RR. (Trans. Ohio Div.)	A. J. Moriarty	Newark, O.
" " " " "	W. McNabb	Garrett, Ind.
Central Iowa Ry	F. J. Bates, For. C. P.	Marshalltown, Ia.
Central Vermont RR. System	C. A. French	St. Albans, Vt.
Cheshire RR	G. D. Dort	Keene, N. H.
Chicago and Alton RR	J. G. Keil, For. C. P.	Bloomington, Ill.
Chicago and Eastern Illinois RR	F. W. Foat, For. C. P.	Danville, Ill.
Chicago, Rock Island and Pacific Ry	J. Rattenbury	Chicago, Ill.
Cincinnati, Wabash and Michigan Ry	R. C. Hines	Wabash, Ind.
Cleveland, Akron and Columbus	B. F. Harris	Mount Vernon, O.
Connecticut and Passumpsic Rivers RR.	L. Davis, For. P. S.	Londonville, Vt.
Connecticut River RR	C. E. Paige, For. C. P.	Springfield, Mass.
Cumberland Valley RR	G. W. Pensinger, For. C. P.	Chambersburg, Pa.
Delaware, Lackawanna and Western RR	J. W. Baker	Dover, N. J.
Detroit, Lansing and Northern RR	A. P. Sweet	Ionia, Mich.
East Tennessee, Virginia and Georgia Ry	J. A. Smith, For. P.	Knoxville, Tenn.
Eureka and Palisade Ry	Seth Ladd	Palisade, Nev.
Flint and Pere Marquette RR	William Sutton	E. Saginaw, Mich.
Georgia RR	J. E. Collier	Augusta, Ga.
Kansas City, Fort Scott and Gulf RR	H. J. Hall, For. C. P.	Kansas City, Mo.
Lake Erie and Western Ry	H. A. Dumbaugh	Lima, O.
Maine Central RR	E. Hartshorn, For. C. P.	Augusta, Me.
Manhattan Ry	A. Campbell, For. C. P.	New York, N. Y.
Memphis and Little Rock RR	C. Sherry, For. C. P.	Argenta, Ark.
Michigan Central RR	D. D. Robertson	Detroit, Mich.
Missouri, Kansas and Texas Ry	A. Hemicke, For. P. S.	St. Louis, Mo.
" " " "	W. D. Davis, For. P. S.	Sedalia, Mo.
Missouri Pacific Ry	J. W. Bland, For. P. S.	Denison, Tex.
Naugatuck RR	G. W. Luigo, For. P. S.	Bridgeport, Ct.
Nevada County Narrow Guage RR	George Murphy	Grass Valley, Cal.
New York, Chicago and St. Louis Ry	Samuel McGill, For. C. P.	Stony Island, Ill.
New York City and Northern RR	C. Smart, For. P. S.	High Bridge, N. Y.
New York, Susquehanna and Western RR	James Brady, For. C. P.	Wortendyke, N. J.
Northern and Northwestern Rys	Thomas Little, For. P. S.	Toronto, Ont.
Ohio and Mississippi Ry	A. N. Bradley, For. C. P.	Cochran, Ind.
Old Colony RR	Samuel Brown	Boston, Mass.
Oregon Ry. and Navigation Co	H. J. Fisher	Portland, Ore.
Portland and Ogdensburg RR	A. C. Urquhart, For. P. S.	Portland, Me.
Portland and Rochester RR	T. D. Griffin, For. C. P.	Portland, Ore.
Prospect Park and Coney Island RR.	James Carney, For. C. P.	Brooklyn, N. Y.
Providence and Worcester RR	H. W. Walton, For. C. P.	Valley Falls, R. I.
Richmond and Danville RR	W. T. Bedford	Richmond, Va.
" " "	J. C. Redford	Co.'s Shops, N. C.
" " "	M. L. Sims	Atlanta, Ga.
Richmond, Fredericksburg and Potomac RR	W. G. Whitehurst	Richmond, Va.
Rochester and Lake Ontario RR	H. R. Day	Rochester, N. Y.
St. Croix and Penobscot RR	W. Leeman	Calais, Me.
St. Louis and San Francisco Ry	Isaac Price	Springfield, Mo.
Sandy River RR	M. S. Kelley	Phillips, Me.
Somerset Ry	James Redmond, For. C. P.	Oakland, Me.
Southern Pacific Co. (Pacific System)	W. C. Fitch, For. C. P.	Sacramento, Cal.
Southern Pacific Co. (Atlantic System)	C. M. Smith	Algiers, La.
Texas and Pacific Ry	H. S. Murff	Marshall, Tex.
Ulster and Delaware RR	C. Hotaling	Rondout, N. Y.
Utah Central Ry	J. H. Layd	Salt Lake City, U.T.
Western and Atlantic RR	W. P. Moring	Atlanta, Ga.
Western Maryland RR	E. W. Leeds	Union Bridge, Md.
Windsor and Annapolis Ry	W. Grierson	Kentville, N. S.

PURCHASING AGENTS.

(17) Special List of Purchasing Agents of all Railroads given in List No. 1.

NAME OF ROAD.	PURCHASING AGENTS.	RESIDENCE.
Alabama Great Southern	R. W. Healy	Cincinnati, O.
Albert Ry	G. A. Robinson	Hillsboro, N. B.
Allegan Lake Shore	Charles A. Dewing	Kalamazoo, Mich.
Allegheny Valley	H. D. Mason	Pittsburgh, Pa.
Antwerp and Paulding	W. Fitzsimmons, Jr.	Antwerp, O.
Arizona and New Mexico	W. H. Jones	Clifton, Ariz.
Arkansas Valley Route	A. L. Horner	Little Rock, Ark.
Asheville and Spartanburg	James Anderson	Spartanburg, S. C.
Ashland Coal and Iron	Robert Peebles	Ashland, Ky.
Atchison, Topeka and Santa Fé	A. C. Armstrong	Topeka, Kan.
Atlanta and West Point	Cecil Gabbett	Montgomery, Ala.
Atlantic and North Carolina	Washington Bryan	New Berne, N. C.
Atlantic and Pacific	A. C. Armstrong	Topeka, Kan.
Augusta, Gibson and Sandersville	R. M. Mitchell	Augusta, Ga.
Austin and Northwestern	A. N. Leitnaker	Austin, Tex.
Baltimore and Delaware	Frederick Gerker	Philadelphia, Pa.
Baltimore and Ohio	N. S. Hill	Baltimore, Md.
Baltimore and Potomac	A. W. Sumner	" "
Bangor and Piscataquis	Arthur Brown	Bangor, Me.
Bangor and Portland	C. Miller	Bangor, Pa.
Bath and Hammondsport	H. S. Stebbins	Hammondsport, N.Y
Bear Lake and Eastern	G. W. Hopkins	Bear Lake, Mich.
Bee Line	J. L. Yale	Cleveland, O.
Bellair and St. Clairsville	C. W. Troll	St. Clairsville, O.
Bell's Gap	R. G. Ford	Bellwood, Pa.
Belt Railway of Chicago	C. C. Nash	Chicago, Ill.
Bennington and Rutland	E. D. Bennett	Bennington, Vt.
Bodie and Benton and Commercial Co.	Thomas Holt	Bodie, Cal.
Boston and Lowell	George E. Shepherd	Boston, Mass.
Boston and Maine	George J. Fisher	" "
Boston, Revere Beach and Lynn	C. A. Hammond	" "
Boston, Winthrop and Shore	C. A. Hammond	" "
Bowling Green and Toledo	William A. Wiggins	Bowling Green, O.
Bradford, Bordell and Kinzua	John J. Carter	Titusville, Pa.
Bridgton and Saco River	M. M. Caswell	Bridgton, Me.
Brighthope	P. M. Buckingham	Richmond, Va.
Brooklyn, Bath and West End	I. N. Butler	Brooklyn, N. Y.
Brooklyn, Flatbush and Coney Island	I. L. Morrow	" "
Brunswick and Western	A. A. Gaddis	Brunswick, Ga.
Buffalo, New York and Philadelphia	John Dougherty	New York City.
Buffalo, Rochester and Pittsburgh	G. E. Merchant	Rochester, N. Y.
Burlington, Cedar Rapids and North	T. Stickney	Cedar Rapids, Ia.
Burlington and Lamoille	G. L. Linsley	Burlington, Vt.
Burlington and Missouri River in Nebraska	William Irving	Chicago, Ill.
Cairo, Vincennes and Chicago	M. A. McDonald	Cairo, Ill.
California Southern	A. C. Armstrong	Topeka, Kan.
Camden, Gloucester and Mt. Ephraim	James P. Michellon	Camden, N. J.
Canadian Pacific	Alexander C. Henry	Montreal, Can.
Cape Fear and Yadkin Valley	J. W. Fry	Greensboro, N. C.
Cape Girardeau Southwestern	T. F. Wheeler	Cape Girardeau, Mo.
Carolina Central	John C. Winder	Raleigh, N. C.
Carson and Colorado	Hume Yerington	Carson, Nev.
Carillon and Grenville	R. W. Shepherd, Jr.	Montreal, Que.
Catasauqua and Foglesville	C. W. Chapman	Catasauqua, Pa.
Central Iowa	C. H. Ackert	Marshallton, Ia.
Central RR. of Georgia	C. H. Carson	Savannah, Ga.
Central RR. of New Jersey	A. Reckless	Elizabeth, N. J.
Chagrin Falls and Southern	W. Hutchings	Chagrin Falls, O.
Charleston and Savannah	Pearson Hardee	Charleston, S. C.
Chateaugay	A. L. Inman	Plattsburg, N. Y.
Chatham Branch	I. B. Snowball	Chatham, N. B.
Cheshire	H. H. Stone	Keene, N. H.
Chicago and Alton	A. V. Hartwell	Chicago, Ill.
Chicago and Eastern Illinois	D. R. Patterson	" "
Chicago and Iowa	William Irving	" "

NAME OF ROAD.	PURCHASING AGENTS.	RESIDENCE.
Chicago and Northwestern	R. W. Hamer	Chicago, Ill.
Chicago and St. Louis	A. C. Armstrong	" "
Chicago and Western Indianapolis	C. C. Nash	" "
Chicago and Western Michigan	Allan Bourn	Detroit, Mich.
Chicago, Burlington and Kansas City	William Irving	Chicago, Ill.
Chicago, Burlington and Northern	George Hargreaves	St. Paul, Minn.
Chicago, Burlington and Quincy	William Irving	Chicago, Ill.
Chicago, Fairchild and Eau Claire River	C. J. Wickersham	" "
Chicago, Milwaukee and St. Paul	J. T. Crocker	Milwaukee, Wis.
Chicago, Rock Island and Pacific	F. A. Marsh	Chicago, Ill.
Chicago, Santa Fé and California Ry	A. C. Armstrong	" "
Chicago, St. Paul, Minneapolis and Omaha	W. H. S. Wright	St. Paul, Minn.
Cincinnati and Green River	George P. Harper	Yosemite, Ky.
Cincinnati and Southeastern	N. S. Dudley	Flemingsburgh, Ky.
Cincinnati, Georgetown and Portsmouth	Ralph Peters	Cincinnati, O.
Cincinnati, Indiana, St. Louis and Chicago	G. Tozzer	" "
Cincinnati, Jackson and Mackinaw	G. H. Wappner	Van Wert, O.
Cincinnati and Muskingum Valley	William Mullins	Pittsburgh, Pa.
Cincinnati, New Orleans and Texas Pacific	R. W. Healy	Cincinnati, O.
Cincinnati, Selma and Mobile	Cecil Gabbett	Montgomery, Ala.
Cincinnati, Wabash and Michigan	N. Beckley	Elkhart, Ind.
Cincinnati, Washington and Baltimore	J. H. Stewart	Cincinnati, O.
Cincinnati, Wheeling and New York	E. C. Winstanley	Cumberland, O.
Cleveland, Columbus, Cincinnati and Indianapolis	J. L. Yale	Cleveland, O.
Cleveland, Lorain and Wheeling	Oscar Townsend	" "
Cleveland and Marietta	C. C. Pickering	Cambridge, O.
Clove Branch	C. L. Kimball	Matteawan, N. Y.
Cobourg, Peterboro and Marmora	James R. Barber	Cobourg, Ont.
Colorado Midland	J. H. Holway	Colorado Sp'gs, Col.
Columbia and Puget Sound	F. A. Allen	Seattle, Wash. Terr.
Columbus, Hocking Valley and Toledo	W. M. Greene	Columbus, O.
Columbus and Rome	W. L. Clark	Columbus, Ga.
Columbus and Western	C. H. Carson	Savannah, Ga.
Concord RR. and Branches	W. H. Alexander	Concord, N. H.
Connecticut and Passumpic Rivers	N. P. Loverington, Jr	Lyndonville, Vt.
Connecticut River	J. Mulligan	Springfield, Mass.
Cooperstown and Susquehanna Valley	E. M. Harris	Cooperstown, N. Y.
Cornwall and Lebanon RR	Ned. Irish	Lebanon, Pa.
Coudersport and Port Alleghany	B. A. McClure	Coudersport, Pa.
Crooked Creek	G. W. Post	Lehigh, Ia.
Crown Point Iron Company's	H. L. Reed	Crown Point, N. Y.
Cumberland and Pennsylvania	P. L. Burwell	Cumberland, Md.
Cumberland RR. and Coal Co	I. G. Aikman	Parrsboro, N. S.
Danville and New River	G. K. Griggs	Danville, Va.
Delaware and Hudson Canal Co	J. White Strong	Albany, N. Y.
Delaware, Lackawanna and Western	W. D. Hager	26 Ex. Place, N. Y.
Delaware River	E. H. Green	Pedrictown, N. J.
Denver and Rio Grande	C. M. Hobbs	Burnham, Col.
Denver and Rio Grande Western	W. P. McElroy	Salt Lake City, Utah
Denver, Utah and Pacific	L. M. Fonts	Denver, Col.
Des Moines and Fort Dodge	Charles N. Gilmore	Des Moines, Ia.
Detroit, Bay City and Alpena	T. H. Newbury	Detroit, Mich.
Detroit, Grand Haven and Milwaukee	John S. Lorimer	" "
Detroit, Lansing and Northern	Allan Bourne	" "
Duluth and Iron Range	R. H. Lee	Duluth, Minn.
Dunkirk, Allegheny and Pittsburgh	D. Thayer	Dunkirk, N. Y.
East Albany Ry	W. W. Barnes	Opelika, Ala.
East St. Louis Connecting Ry	Edward Wright	E. St. Louis, Ill.
East and West RR. of Alabama	J. J. Calhoun	Cedartown, Ga.
East Tennessee, Virginia and Georgia Ry	J. E. Wilcox	Knoxville, Tenn.
Eastern Kentucky RR	H. W. Bates	Greenup, Ky.
Eastern (Mass.)	G. J. Fisher	Boston, Mass.
Elmira, Cortland and Northern	E. Mahler	Philadelphia, Pa.
Eureka and Palisade RR	B. Gilman	Eureka, Nev.
Eureka Springs Ry	C. H. Smith	St. Louis, Mo.
Eutawville RR	I. W. Fowler	Eutawville, S. C.
Evansville and Terre Haute RR	D. J. Mackey	Evansville, Ind.
Fall Brook Coal Co	W. H. Chaphe	Corning, N. Y.
Fitchburg Railroad	F. S. Pratt	Boston, Mass.
Flint and Pere Marquette RR	G. G. Cook	E. Saginaw, Mich.
Florida Railway and Navigation Co	D. E. Maxwell	Jacksonville, Fla.
Florida Southern Ry	Cleveland Foot	New York, N. Y.
Fonda, Johnstown and Gloversville RR	Lawton Caten	Gloversville, N. Y.
Fort Wayne, Cincinnati and Louisville RR	W. Worthington	Fort Wayne, Ind.
Franklin and Megantic RR	V. B. Mead	Boston, Mass.
Fremont, Elkhorn and Missouri Valley RR	R. W. Hamer	Chicago, Ill.
Fulton Co. Narrow Gauge RR	A. C. Atherton	Lewistown, Ill.
Galveston, Houston and Henderson RR	R. B. Lyle	St. Louis, Mo.
Geneva, Ithaca and Sayre RR	William C. Alderson	Philadelphia, Pa.
Georgia RR	John W. Green	Augusta, Ga.
Grand Rapids and Indiana RR	W. R. Shelby	Grand Rapids, Mich.
Grand Tower and Carbondale	S. L. Sherer	St. Louis, Mo.
Grand Trunk Ry	John Taylor	Montreal, Can.
Grand Trunk Ry. (Gt. Western Div.)	G. R. Baines	London, Ont.
Gulf, Colorado and Santa Fé	J. W. Thorne	Galveston, Tex.
Hannibal and St. Joseph RR	William Irving	Chicago, Ill.

NAME OF ROAD.	PURCHASING AGENTS.	RESIDENCE.
Hartford and Connecticut Valley RR.	R. N. Dowd	New Haven Ct.
Hartford and Connecticut Western RR.	E. McNeill	Hartford, Ct.
Herkimer, Newport and Poland (N. G.) Ry.	Edward M. Burns	Middleville, N. Y.
Housatonic RR.	David S. Draper	Hartford, Ct.
Houston and Texas Central	A. H. Swanson	Houston, Tex.
Houston, East and West Texas	Paul Bremond	" "
Huntington and Broad Top Mountain RR.	S. B. Knight	Philadelphia, Pa.
Illinois and St. Louis RR.	C. H. Sharman	St. Louis, Mo.
Illinois Central	O. Ott	Chicago, Ill.
Indiana, Bloomington and Western	H. C. Norton	Indianapolis, Ind.
Indiana, Illinois and Iowa	T. P. Shonts	Kankakee, Ill.
Indianapolis and St. Louis	J. L. Yale	Cleveland O.
Indianapolis, Decatur and Springfield	G. W. Bender	Indianapolis, Ind.
Intercolonial	T. V. Cook	Moncton, N. B.
International	D. R. McFee	Montreal, Que.
Iowa Northern	D. S. Couch	Colfax, Ia.
Iron Railway	C. C. Clarke	Ironton, O.
Jacksonville, Tampa and Key West	M. R. Moran	Jacksonville, Fla.
Jeffersonville, Madison and Ind	William Mullins	Pittsburgh, Pa.
Kansas City, Fort Scott and Gulf	H. P. Jaques	Kansas City, Mo.
Kansas City, Memphis and Birmingham	H. P. Jaques	" "
Kansas City, St Joseph and C. B.	W. Irving	Chicago, Ill.
Kansas City and Southern	F. M. Green	Clinton, Mo.
Kansas and Gulf Short Line	V. K. Stevenson	New York, N. Y.
Kentucky Central	H. E. Huntingdon	Covington, Ky.
Kentucky and South Atlantic	George B. Harper	Mt. Sterling, Ky.
Kingston and Pembroke	J. H. Taylor	Kingston, Ont.
Knox and Lincoln	John T. Berry	Rockland, Me.
Knoxville and Augusta	R. N. Hood	Knoxville, Tenn.
Lac la Belle and Calumet	C. H. Palmer	Delaware Mine, M.
Lake Erie and Western	T. H. Perry	Bloomington, Ill.
Lake Shore and Michigan Southern	L. C. Higgins	Cleveland, O.
Laurel Fork and Sand Hill	George Bradish	Parkersburg, W. Va.
Lehigh and Hudson	John Sayer	Warwick, N. Y.
Lehigh and Lackawanna	E. Hill	Philadelphia, Pa.
Lehigh Valley	W. Charles Alderson	" "
Ligonier Valley	George Senft	Ligonier, Pa.
Little Rock, Mississippi and Texas	Henry Wood	Little Rock, Ark.
Long Island	Benjamin Norton	Long Isld. City, N.Y.
Los Angeles and San Gabriel Valley	S. P. Jewett	Los Angeles, Cal.
Louisville and Nashville	P. P. Huston	Louisville, Ky.
Louisville and Wadley	J. C. Little	Wadley, Ga.
Louisville, Evansville and St. Louis	W. H. Folsom	Louisville, Ky.
Louisville, New Albany and Chicago	A. S. Dunham	Chicago, Ill.
Maine Central	Payson Tucker	Portland, Me.
Manhattan	F. K. Hain	New York, N. Y.
Manitoba and Northwestern	W. R. Baker	Port la Prairie, M.
Marietta, Columbus and Northern	W. R. Uttey	New York, N. Y.
Marietta and North Georgia	J. B. Glover	Marietta, Ga.
Marquette, Houghton and Ontonagon	M. B. McGee	Marquette, Mich.
Marshall, Paris and Northwestern	H. H. Youree	Marshall, Tex.
Martha's Vineyard	G. A. Carpenter	Edgartown, Mass.
Mason City and Fort Dodge	George S. Batty	Mason City, Ia.
Memphis and Charleston	R. P. Pegram, Jr.	Memphis, Tenn.
Memphis and Little Rock	Rudolph Fink	" "
Memphis, Birmingham and Atlantic	T. C. Leake, Jr.	" "
Meriden and Cromwell	George Rockwell	Meriden, Conn.
Mexican Central	Theodore Nickerson	Boston, Mass.
Mexican National	W. M. Spackman	32 Nassau St., N. Y.
Michigan and Ohio	W. L. Webb	Toledo, O.
Michigan Central	Allan Bourne	Detroit, Mich.
Midland of Canada	C. H. Crofts	Peterborough, Ont.
Milford and Woonsocket	W. W. Jenckes	Milford, Mass.
Milwaukee and Northern	C. F. Dutton	Milwaukee, Wis.
Milwaukee, Lake Shore and Western	H. W. Reighley	" "
Mineral Range	R. H. Brelsford	Hancock, Mich.
Minneapolis and St. Louis	W. B. Palmer	Minneapolis, Minn.
Minneapolis Eastern	F. W. Haskell	" "
Minneapolis, Lyndale and Minnetonka	P. S. Mackay	" "
Minneapolis, Sault Ste. Marie and Atlantic	W. W. Rich	" "
Missouri Pacific	Abram Gould	St. Louis, Mo.
Mobile and Gerard	W. L. Clark	Columbus, Ga.
Mobile and Ohio	M. Sweeney	St. Louis, Mo.
Mobile and Spring Hill	C. F. Sheldon	Mobile, Ala.
Mont Alto Railroad	C. B. Wiestling	Mont Alto, Pa.
Montour	C. R. Brown	Imperial, Pa.
Montreal and Sorel	C. N. Armstrong	Montreal, Que.
Morgan's Louisiana and Texas	C. Trumpy	New Orleans, La.
Nantucket	Philip H. Folger	Boston, Mass.
Narragansett Pier	G. T. Lanphear	Peacedale, R. I.
Nashville, Chattanooga and St. Louis	J. W. Thomas, Jr.	Nashville, Tenn.
Natchez, Jackson and Columbus	T. S. Williams	Natchez, Miss.
Nangatack	George W. Beach	Waterbury, Ct.
Nevada Central	A. B. Hastings	Austin, Nev.
Nevada County Narrow Gauge	John F. Kidder	Grass Valley, Cal.
Newburg, Dutchess and Connecticut	C. L. Kimball	Matteawan, N. Y.

NAME OF ROAD.	PURCHASING AGENTS.	
New Haven and Northampton	R. G. Curtis	New H
New London Northern	C. F. Spaulding	New L , Ct.
New Orleans and Northeastern	R. W. Healy	Cincinn , O.
New York and Long Branch	Rufus Blodgett	Long Branch, N. J.
New York and Massachusetts	J. A. Perkins	Poughkeepsie, N. Y.
New York and Sea Beach	James T. Nelson	New York, N. Y.
New York Central and Hudson River	Charles Reed	" "
New York, Chicago and St. Louis	M. M. Rodgers	Cleveland, O.
New York City and Northern	E. B Edwards	High Bridge, N. Y.
New York, Lake Erie and Western	W. G. Tuller	New York, N. Y.
New York, New Haven and Hartford	Henry A. Bishop	New Haven, Ct.
New York, Ontario and Western	R. D. Rickard	Middletown, N. Y.
New York, Philadelphia and Norfolk	William A. Patton	Philadelphia, Pa.
New York, Providence and Boston	J. L. Hayden	Stonington, Ct.
New York, Susquehanna and Western	C. T. Demarest	98 Liberty St., N. Y.
New York, Woodhaven and Rockaway	Austin Corbin	New York, N. Y.
Norfolk and Western	W. C. De Armond	Philadelphia, Pa.
Norfolk Southern	M. K. King	Norfolk, Va.
Northern Adirondack	John Hurd	Bridgeport, Ct.
Northern California	A. J. Binney	Marysville, Cal.
Northern Central	A. W. Sumner	Baltimore, Md.
Northeastern of Georgia	L. L. McCleskey	Atlanta, Ga.
Northern Pacific	W. T. Small	St. Paul, Minn.
North Pacific Coast	W. F. Russell	San Francisco, Cal.
Northern and Northwestern	W. C. Schreiber	Toronto, Ont.
Norwich and Worcester	W. W. McKim	Norwich, Ct.
Ogdensburg and Lake Champlain	E. B. Burnham	Ogdensburg, N. Y.
Ohio River	C. L. Williams	Parkersburg, W. Va.
Ohio Southern	H. C. Norton	Indianapolis, Ind.
Old Colony	R. W. Husted	Boston, Mass.
Ohio and Mississippi	F. Brown (Actg.)	Cincinnati, O.
Olympia and Chehalis	Charles Sprague	Olympia, Wash. Ter
Oregon and California	W. T. Bodley	Portland, Ore.
Oregon Ry. and Navigation Co.	E. M. Drake	" "
Pacific Coast	J. M. Fillmore	San Luis Obispo, Cal.
Painesville and Youngstown	J. A. Newcome	Painesville, O.
Peach Bottom	Renie Dickie	Oxford, Pa.
Pennsylvania	Enoch Lewis	Philadelphia, Pa.
Pennsylvania and New York Canal and RR	William C. Alderson	" "
Pennsylvania Co.	William Mullins	Pittsburgh, Pa.
Pensacola and Perdido RR	H. W. Simmons	Pensacola, Fla.
People's	W. D. Pollard	Pottsville, Pa.
Peoria and Pekin Union	T. B. Burnett	Peoria, Ill.
Perkiomen	H. Boyd	Norristown, Pa.
Philadelphia and Atlantic City	H. C. Norton	Philadelphia, Pa.
Philadelpia and Reading	H. C. Norton	" "
Philadelphia, Newtown and New York	Howard Boyd	Norristown, Pa.
Pittsburgh and Castle Shannon	James M. Bailey	Pittsburgh, Pa.
Pittsburgh and Lake Erie	R. Evans	" "
Pittsburgh, and Western	J. Morton Hall	Allegheny, Pa.
Pittsburgh, Chartiers and Youghiogheny	R. T. Hill	Pittsburgh, Pa.
Pittsburgh, Cincinnati and St. Louis	William Mullins	" "
Pittsburgh, Fort Wayne and Chicago	William Mulline	" "
Pontiac, Oxford and Port Austin	J. Houston	Pontiac, Mich.
Port Huron and Northwestern	Henry McMorran	Port Huron, Mich.
Portland and Rochester	J. W. Peters	Portland, Me.
Potomac, Fredericksburg and Piedmont	W. H. Richards	Fredericksburg, Va.
Prince Edward Island	James Coleman	Charlottetown, P.E.I
Prospect Park and Coney Island	R. Schermerhorn	Brooklyn, N. Y.
Providence and Springfield	W. Tinkham	Providence, R. I.
Quebec Central	A. H. Anderson	Sherbrooke, Que.
Raleigh and Augusta Air Line	John C. Winder	Raleigh, N. C.
Raleigh and Gaston	John C. Winder	" "
Richmond and Allegheny	W. A. Crawley	Richmond, Va.
Richmond and Danville	J. P. Minetree	" "
Richmond, Fredericksburg and Potomac	T. L. Courtney	" "
Rochester and Lake Ontario	N. B. Ellison	Rochester, N. Y.
Rock Island and Peoria	H. B. Sudlow	Rock Island, Ill.
Rome Ry., Georgia	Eben Hillyer	Rome, Ga.
Rome, Watertown and Ogdensburg	H. M. Britton	Oswego, N. Y.
Rumford Falls and Buckfield	L. L. Lincoln	Canton, Me.
Saginaw, Tuscola and Huron RR	M. B. Wilkinson	E. Saginaw, Mich.
St. Clairsville and Northern	W. A. Hinns	St. Clairsville, O.
St. Croix and Penobscot	S. W. Haycock	Calais, Me.
St. Joseph and Des Moines	William Irving	Chicago, Ill.
St. Joseph and Grand Island	W. J. Teuch	St. Joseph, Mo.
St. Louis, Alton and Terre Haute	Henry T. Nash	St. Louis, Mo.
St. Louis, Arkansas and Texas	F. W. Schaurte	" "
St. Louis and Cairo	Charles Hamilton	" "
St. Louis and Central Illinois	H. A. Fisher	Jerseyville, Ill.
St. Louis and Hannibal	E. C. Case	Hannibal, Mo.
St. Louis and San Francisco	F. P. Wharry	St. Louis, Mo.
St. Louis, Iron Mountain and Southern	A. Gould	" "
St. Louis, Keokuk and Kansas City	William Irving	Chicago, Ill.
St. Louis, Vandalia, Terre Haute and Indianapolis	C. R. Peddle	Terre Haute, Ind.
St. Martin's and Upham	A. E. Killam	Moncton, N. B.

NAME OF ROAD.	PURCHASING AGENTS.	RESIDENCE.
St. Paul and Duluth	J. C. Callahan	St. Paul, Minn.
St. Louis, Keokuk and Northwestern	William Irving	Chicago, Ill.
St. Paul, Minneapolis and Manitoba	J. C. Morrison	St. Paul, Minn.
St. Paul Union Depot Co	C. B. Brunson	" "
Sandy River	N. B. Beal	Phillips, Me.
San Francisco and North Pacific	T. W. Johnston	San Francisco, Cal.
San Pete	J. E. Bamberger	Salt Lake City, U.
Savannah, Florida and Western	A. A. Avelihe	Savannah, Ga.
Seaboard and Roanoke	J. A. Walton	Portsmouth, Va.
Seaview	J. L. Morrow	Flatbush, N. Y.
Shelby Iron Co.'s	H. R. Stoughton	Shelby I.-W., Ala.
Shenandoah Valley	W. C. DeArmond	Philadelphia, Pa.
Shenango and Allegheny	J. T. Blair	Greenville, Pa.
Shepaug	Alexander McNeill	Litchfield, Ct.
Ship Island, Ripley and Kentucky RR	C. L. Harris	Ripley, Miss.
Silver Lake	Arthur G. Yates	Rochester, N. Y.
Sioux City and Pacific	R. W. Hamer	Chicago, Ill.
Skaneateles	J. McNamara	Skaneateles, N. Y.
Somerset	W. M. Ayer	Oakland, Me.
Sonoma Valley	T. W. Johnston	San Francisco, Cal.
South Carolina	S. B. Pickens	Charleston, S. C.
Southern Central	H. D. Titus	Auburn, N. Y.
Southern Kansas	A. C. Armstrong	Topeka, Kan.
Southern Pacific	Timothy Hopkins	San Francisco, Cal.
South Pacific Coast	Charles S. Neal	" "
Southwestern (Ky.)	J. C. Hose	Harrodsburg, Ky.
Springville and Sardinia	B. Chaffee	Springville, N. Y.
Staten Island Rapid Transit	W. H. Lewis	New York, N. Y.
Sterling Mountain	A. W. Humphreys	" "
Stewartstown	James Fulton	Stewartstown, Pa.
Stony Clove and Catskill Mountain	S. D. Coykendall	Rondout, N. Y.
Stony Creek RR	Howard Boyd	Norristown, Pa.
Syracuse, Ontario and New York	Albert Allen	Syracuse, N. Y.
Tennessee and Ohio	H. M. Aiken	Rogersville, Tenn.
Terre Haute and Indianapolis	C. R. Peddle	Terre Haute, Ind.
Texas and Pacific Ry	N. B. Sherwin	Dallas, Tex.
Texas Trunk	H. R. Irvine	" "
Tioga	W. G. Tullen	New York, N. Y.
Toledo, Ann Arbor and G. T	H. W. Ashley	Toledo, O.
Toledo, St. Louis and Kansas City	W. H. Pettibone	" "
Toledo and Ohio Central	J. M. Ferris	" "
Toledo, Peoria and Western	B. Warren	Peoria, Ill.
Troy and Boston	C. H. Hubbell	Troy, N. Y.
Tuckerton	J. J. Pharo	Tuckerton, N. J.
Union Pacific	S. R. Calloway	Omaha, Neb.
Utah Central	S. H. Hills	Salt Lake City, U.
Utah and Nevada	W. W. Riter	Salt Lake, U.
Vaca Valley and Clear Lake	A. V. Stevenson	Vacaville, Cal.
Valley Ry. (Ohio)	M. H. Farrasey	Cleveland, O.
Vicksburg and Meridian	R. W. Healy	Cincinnati, O.
Vicksburg, Shreveport and Pacific	R. W. Healy	" "
Virginia and Truckee	Hume Yerington	Carson City, Nev.
Wabash, Ry	Richard J. Rees	Chicago, Ill.
Wabash, Chester and Western RR	J. L. Hinckley	Chester, Ill.
Wabash Western Ry	H. H. Wellman	St. Louis, Mo.
Waterloo and Magog Ry	J. B. Fuivoye	St. Johns, P. Q.
Western and Atlantic	R. A. Anderson	Atlanta, Ga.
Western Counties	J. Brignell	Yarmouth, N. S.
Western Maryland	Robert J. Adair	Baltimore, Md.
Western RR. of Alabama	Cecil Gabbett	Montgomery, Ala.
West Shore	Charles Reed	New York, N. Y.
Weston and Buckhannon	A. H. Kunst	Weston, W. Va.
West Virginia Central and Pittsburgh	G. W. Harrison	Piedmont, W. Va.
Wheeling and Elm Grove RR	C. Hersch	Wheeling, W. Va.
Wheeling and Lake Erie	W. R. Woodford	Toledo, O.
Williamstown and Delaware River	S. Garwood	Williamstown, N. J.
Wilmington and Northern	A. G. McCausland	Wilmington, Del.
Wisconsin Central	C. C. McLeod	Milwaukee, Wis.
Wood River Branch	L. M. Barber	Hope Valley, R. I.
Worcester and Shrewsbury	J. E. Bigelow	Worcester, Mass.
York and Peach Bottom	S. M. Manifold	York, Pa.
Youghiogheny	Albert Ford	Irwin, Pa.

ASSOCIATIONS OF RAILROAD OFFICIALS AND RAILROAD EMPLOYÉS.

(18) List of Officers of Associations of Railroad Officials and Railroad Employés (Steam and Street).

American Association of Train Dispatchers. C. R. Wescott, President, Hornellsville, N. Y.; Edward D. Wells, Vice-President, Buffalo, N. Y.; Thomas F. Fitzgerald, Secretary and Treasurer, Buffalo, N. Y. Executive Committee: F. J. Martin, Chairman, Olean, N. Y.; J. S. Watson, Meadville, Pa.; R. S. Seibert, Newark, N. J.; F. J. Armstrong, Corning, N. Y.; J. B. Slocum, Buffalo, N. Y.; W. C. Bryant, Conneaut, N. Y.

American Street Railway Association. Thomas W. Ackley, President, Philadelphia, Pa.; Albert G. Clark, 1st Vice-President, Cincinnati, O.; William H. Sinclair, 2d Vice-President, Galveston, Tex.; Prentiss Cummings, 3d Vice-President, Cambridge, Mass.; W. J. Richardson, Secretary and Treasurer, Brooklyn, N. Y. Executive Committee: Julius S. Walsh, St. Louis, Mo.; Henry Hurt, Washington, D. C.; C. D. Wyman, New York, N. Y.; A. Everett, Cleveland, O.; S. Spaulding, Buffalo, N. Y. Office, cor. Atlantic and Third avenues, Brooklyn, N. Y. Next annual meeting will be held in Philadelphia, Pa., on the third Wednesday in October, 1887.

American Ticket Brokers' Association. F. T. Lindenberger, President, Detroit, Mich.; Samuel T. Fisk, 1st Vice-President, Toledo, O.; A. Weiler 2d Vice-President, Pittsburgh, Pa.; J. Frank, 3d Vice-President, New York, N. Y.; H. C. Meader, Secretary and General Manager, Louisville, Ky; Frederick Manget, Treasurer, St. Louis, Mo. Executive Committee: Gustav G. Lansing, Chairman, New York, N. Y.; L. Salomon, Chicago, Ill.; Thomas O'Brien, Cleveland, O.; George M. McKenzie, Chicago, Ill. Arbitration Committee: E. A. Mulford, Chairman, Chicago, Ill.; J. J. Walzer' Chicago, Ill.; R. T. Sheckells, Quincy, Ill. Auditing Committee: W. W. Bailey, Chairman; W. Willoughby, Denver, Col.; Simon Steiner, St. Louis, Mo.; W. S. Duckworth, Nashville, Tenn. General Office, Louisville, Ky. Next annual convention will be held in Cleveland, O., on the 12th and 13th of May, 1887.

American Train Dispatchers' Association. G. W. Babbitt, President, St. Thomas, Ont.; F. J. Martin, Vice President, Olean, N. Y.; E. J. Peabody, Secretary and Treasurer, Chicago, Ill. Executive Committee: J. B. McCormic, Chairman, Denver, Col.; T. E. Campbell, Laredo, Tex.; E. A. Smith, Boston, Mass.; A. A. Zion. Indianapolis, Ind.; William Kilpatrick, Chicago, Ill.; W. W. Polk, Water Valley, Miss.; I. H. McEwen, Jersey City, N. J. The next annual meeting will be held at Boston, Mass., on June 14th, 1887.

Association of North American Railroad Superintendents. W. H. Stevenson, President, New York, N. Y.; J. M. Metheany, 1st Vice-President, Grand Rapids, Mich.; H. F. Royce, 2d Vice-President, Chicago, Ill.; J. F. Divine, 3d Vice-President, Wilmington, N. C.; Waterman Stone, Secretary, Providence, R. I.; C. D. Hammond, Assistant Secretary, Albany, N. Y.; R M. Sully, Treasurer, Petersburg, Va. Executive Committee: I. D. Barton, L. W. Palmer, A. A. Folsom, J. T. Furber. The next annual meeting will be held in New York on Tuesday, April 11th, 1887.

Association of Railroad Superintendents of Chicago. A. G. Amsden, 1st Vice-President, Chicago, Ill.; Charles Watts, 2d Vice-President, Logansport, Ind.; F. H. Britton, Secretary and Treasurer, Chicago, Ill.; The meetings are held on the Thursday preceding the third Tuesday of each month.

Association of Railroad Telegraph Superintendents. A. R. Swift, President, Chicago, Ill.; George L. Lang, Vice-President, Boston, Mass.; P. W. Drew, Secretary and Treasurer, Chicago, Ill. The next meeting will be held in Boston, Mass., on July 13th and 14th, 1887.

Association of the Surgeons to the Pennsylvania Company. J. H. Tressel, President, Alliance, O.; E. W. Lee, Vice-President, Chicago, Ill.; J. J. Buchanan, Secretary, Pittsburgh, Pa. Executive Committee: A. W. Ridenour, Massillon, O.; G. W. McGarvon, Van Wert, O.; S. S. Thorn, Toledo, O.

Association of Travelling and Contracting Freight Agents. William M. Burgard, President, Charles G. Lovell, Vice-President, E. W. McCrea, Secretary. Executive Committee: H. C. Underhill, J. J. Moesman, Seth D. Caldwell, Louis C. Northrup, C. C. Sears.

Association of Contracting Freight Agents. J. D. Welsh, President, Cincinnati, O.; W. W. Whitacre, Vice-President; James N. Veitch, Secretary, Cleveland, O.; L. S. Fairchild, Treasurer. The next annual meeting will be held at the Russell House, Detroit, Mich., on the second Thursday in August, 1887.

Association of Railroad and Steamboat Agents of Boston. Joseph L. White, President; W. H. D. Cochrane, W. S. Prentiss, A. A. Smith, James S. Smith, A. H. Torricelli, Vice-Presidents; A. T. Kimball, Treasurer; L. E. Chalenor, Secretary, Boston, Mass. Executive Committee: O. W. Jordan, E. A. Newell, S. W. Manning, A. J. Simmons, C. A. Faxon, E. S. Merchant, L. H. Palmer, I. J. Bassett. The next annual meeting will be held in Boston on the first Saturday after the first Monday in January, 1888.

Boston and Maine Relief Association. D. W. Sanborn, President; Augustus Colby, Vice-President; A. A. Ingalls, Secretary and Treasurer. Directors: D. W. Sanborn, Augustus Colby, William E. Meade, William H. Hague, John Hunnewell, J. A. Prescott, A. A. Howe, Arthur Pickering, D. A. Smith, E. E. Foye, W. H. Hatch. Finance Committee: J. M. Macdonald, E. A. Maxfield, N. E. Cate.

Brotherhood of Railroad Brakemen. S. E. Wilkinson, Grand Master, Galesburg, Ill.; Neil Sullivan, Vice-Grand Master, Binghamton, N. Y.; E. F. O'Shea, Grand Secretary and Treasurer, Galesburg, Ill.; L. C. Foster, Jr., Grand Organizer and Instructor, Ithaca, N. Y.; Grand Trustees: Daniel Cease, Phillipsburg, N. J.; Daniel McCarthy, Oneonta, N. Y.; T. J. Sheahan, Denver, Col.; Charles W. Flanders, 139 Ferguson Ave., Hamilton, Can. The next annual convention will be held at Binghamton, N. Y., commencing Monday, October 17th, 1887.

Brotherhood of Railway Section Foremen of North America. D. Coughlin, Grand Chief Foreman, Stanberry, Mo.; A. Mitchell, Vice-Grand Chief Foreman, Council Bluffs, Ia.; M. Scanlan, Grand Secretary and Treasurer, Council Bluffs, Ia.; S. A. Oren, Secretary and Treasurer, Insurance Department, Mount Auburn, Ia. Next annual meeting first Wednesday and Thursday after first Monday in October, 1887.

Car Accountants' Association. A. P. Wilde, President, Topeka, Kan.; F. J. Hoyle, Vice-President, Knoxville, Tenn.; H. H. Lyon, Secretary, Bloomington, Ill., E. M. Horton, Treasurer, Chicago, Ill. The next annual meeting will be held in Atlanta, Ga., on April 19, 1887.

Central Club of Car Accountants. H. G. Sleight, Chairman; D. W. Moore, Secretary. Executive Committee: George H. Weeks, H. C. Johnston, J. W. Bone.

Central Railway Club. R. H. Soule, President, Buffalo,

N. Y.; T. Sullivan, Vice-President, St. Thomas, Ont; E. Chamberlain, Secretary and Treasurer, Buffalo, N. Y. Executive and Financial Committee: R. H. Soule, Chairman, E. Chamberlain, W. F. Turreff, F. B. Griffith, John Kirby, R. C. Blackall.

Chicago, Burlington and Quincy Employés' Protective Association. L. O. Goddard, President, Chicago, Ill.; J. D. Besler, Vice-President, Galesburg, Ill.; John Lass, Secretary, Galesburg, Ill.; F. C. Smith, Treasurer, Chicago, Ill. Directors: T. J. Potter, Chicago, Ill.; L. J. Allen, Aurora, Ill.; R. W. Colville, Galesburg, Ill.; S. B. Harrington, Burlington, Ia.; C. F. Leonard, Creston, Ia. The next meeting will be held in Burlington, Ia., June 14th, 1887, at 9 A. M.

Chicago Railroad Association. William S. Baldwin, President, Chicago, Ill.; A. V. H. Carpenter, Vice-President; Charles H. Grant, Secretary. Executive Committee: A. H. Hanson, James Charlton, W. A. Thrall.

Cincinnati Railroad Association. T. D. Rhodes, President, W. H. King, Vice-President, Charles O. Tangeman, Secretary and Treasurer, Cincinnati, O. The next annual meeting will be on the 15th of April, 1887, in Cincinnati, O. Monthly meetings on the 15th of each month in Cincinnati, O.

Cincinnati, Hamilton & Dayton Railroad Employés' Mutual Benefit Association. Directors: W. J. Mulvihill, E. F. Edgecomb, William Coakley, George C. Smith, H. Pierce, E. O. Thomas, H. G. Stiles, J. Tanbken, J. F. Youse, George Diefenbach, W. M. Hamilton. Officers: Joseph Ramsey, Jr., President, C. H. Rockwell, 1st Vice-President, W. L. O'Brien, 2d Vice-President, L. A. Barber, 3d Vice-President, S. J. Hodges, Secretary and Treasurer.

Eastern Railroad Association. William D. Bishop, President; Theodore N. Ely, Vice-President; A. A. Folsom, Treasurer; Andrew McCullum, Secretary and General Counsel.

General Freight Agents' Association of the West. A. C. Bird, President; F. B. Clarke, Vice-President; George M. Bogue, Secretary, Treasurer and Arbitrator; J. N. Faithorn, Commissioner.

General Time Convention. George W. Parker, President, St. Louis, Mo.; R. R. Bridgers, 1st Vice-President, Wilmington, N. C.; J. M. Toucey, 2d Vice-President, Grand Central Depot, New York, N. Y.; W. F. Allen, Secretary, 46 Bond Street, New York, N. Y. Executive Committee: George W. Parker, R. R. Bridgers, J. M. Toucey, Charles E. Pugh, T. M. R. Talcott, J. T. Harahan, H. B. Stone, James McCrea, E T. D. Myers. Committee on Uniform Train Rules and Telegraphic Orders: K. H. Wade, E. B. Thomas, H. B. Stone, H. Walters, J. T. Harahan, William Rogers, C. D. Gorham, R. Pitcairn. Committee on the "Twenty-Four O'Clock System": C. Neilson, G. M. Beach, H. S. Haines. Committee on Uniform Car Mileage Reports: C. H. Hudson, T. E. Clark, E. Gallup, S. M. Prevost, T. W. Burrows. Nominating Committee: K. H. Wade, John W. Green, J. R. Kendrick.

Grand International Brotherhood of Locomotive Engineers. P. M. Arthur, Grand Chief Engineer, Cleveland, O.; T. S. Ingraham, First Grand Engineer, Cleveland, O.; J. R. Sprague, Second Grand Engineer, Toronto, Ont.; H. C. Hays, First Grand Assistant Engineer, Cleveland, O.; A. R. Cavner, Second Grand Assistant Engineer, San Francisco, Cal.; John Hill, Third Grand Assistant Engineer, Chicago, Ill; J. C. Porter, Grand Guardian, Aurora, Ill.; Deloss Everett, Grand Chaplain, Philadelphia, P. A. The next annual convention will be held at Chicago, Ill., on October 19th, 1887.

Indiana Train Despatchers' Association. A. A. Zion, President, Indianapolis, Ind.; C. W. Buchanan, Vice-President, Union City, Ind.; L. A. Boyd, Secretary, Indianapolis, Ind. Executive Committee: Officers as above and M. S. Connors, Indianapolis, Ind.; R. B. Woolsey, Terre Haute, Ind.; H. C. Howard, Lafayette, Ind.; S. T. Blizzard, Indianapolis, Ind.

International Association of Travelling Passenger Agents. N. R. Warwick, President, Cincinnati, O.; C. S. LaFollette, Vice-President, Lafayette, Ind.; W. H. Holabird, Secretary, Bloomington, Ill.; J. A. Quinlan, Treasurer, Milwaukee, Wis. Executive Committee: W. W. Lord, Jr., Harrisburg, Pa.; A. G. Baker, Columbia, Pa.; Howard J. Ball, Philadelphia, Pa.; James A. Webb, Columbus, O.; Edward F. Sierson.

Joint Car Inspectors' Association. J. R. Petrie, Chairman, Black Rock, N. Y.; Charles Waughop, Secretary, E. St. Louis, Ill. Executive Committee: B. Neil, Kansas City, Mo.; J. W. Stark, Toledo, O.; Thomas Sills, Suspension Bridge, N. Y.

Master Car Builders' Association. B. K. Verbryck, President, Chicago, Ill.; W. McWood, 1st Vice-President, Montreal, Can.; J. W. Cloud, 2d Vice-President, Altoona, Pa.; E. W. Grieves, 3d Vice-President, Baltimore, Md.; John Kirby, Treasurer, Cleveland, O.; M. N. Forney, Secretary, New York, N. Y. Executive Committee: F. D. Adams, Allston, Mass.; L. Packard, West Albany, N. Y.; E. B. Wall, Columbus, O. Next annual convention at Minneapolis, Minn., beginning Tuesday, June 14th, 1887.

Master Car and Locomotive Painters' Association. J. C. Stout, President, Armstrong, Kan.; E. L. Bigelow, 1st Vice-President, Baltimore, Md.; J. J. Murphy, 2d Vice-President, Louisville, Ky.; Robert McKeon, Secretary and Treasurer, Kent, O. The next annual meeting in New York, Wednesday, September 7th, 1877.

Master Mechanics' Association. William Woodcock, President, Elizabethport, N. J.; Jacob Johann, 1st Vice-President, Huntington, Ind.; R. H. Briggs, 2d Vice-President, Elizabethtown, Ky.; J. H. Setchel, Secretary, Dunkirk, N. Y.; George Richards, Treasurer, Boston, Mass.

Michigan Passenger Agents' Association. W. A. Carpenter, President; F. I. Whitney, Vice-President; George E. King, Secretary, Detroit, Mich.

National Association of General Baggage Agents. E. A. Sadd, President, Chicago, Ill.; D. M. Christie, Vice-President, Detroit, Mich.; J. E. Quick, Secretary and Treasurer, Detroit, Mich. Executive Committee: George A. Morton, J. L. Freeman, W. I. Robinson. Next semi-annual meeting at Denver, Wednesday, July 20th, 1887.

National Association of General Passenger and Ticket Agents. J. N. Abbott, President, New York, N. Y.; A. C. Dawes, Vice-President, St. Joseph, Mo.; A. J. Smith, Secretary and Treasurer, Cleveland, O. Executive Committee: W. S. Baldwin, Chicago, Ill.; S. F. Boyd, Minneapolis, Minn.; J. R. Buchanan, Missouri Valley, Ia.; C. H. Cromwell, Montgomery, Ala.; A. S. Hanson, Boston, Mass.; H M. Bronson, Indianapolis, Ind. General Committee: J. R. MacMurdo, Richmond, Va.; J. S. Emery, Rochester, N. Y.; D. Wishart, St. Louis, Mo. Next meeting at Washington, D. C., March 15th, 1887, at 11 A.M.

New England Association of Train Dispatchers. J. N. Ross, President, Boston, Mass.; Thomas H. Miles, Vice-President, Boston, Mass.; S. A. D. Forristall, Secretary and Treasurer, Boston, Mass. Executive Committee: C. H. Swasey, Boston, Mass.; F A. Corey, Boston, Mass.; E. H. Stevens, North Adams, Mass.; C. H Morse, Fitchburg, Mass; A. J. Corrivean, St. Johnsbury, Vt.

New England General Freight Agents' Association. W. J. Willard, President, Lyndonville, Vt.; W. S. Eaton, Vice-President, Portland, Me.; Frank Owen, Secretary, Ogdensburg, N. Y. The next annual meeting will be held in the rooms of the Pathfinder Railway Guide in Boston on January 20th, 1888.

New England General Ticket and Passenger Agents' Association. F. H. Kingsbury, President; J. R. Watson, Vice-President; C. A. Waite, Secretary. Executive Committee: E. C. Watson, C. H. Foy, O. H. Briggs.

New England Railway Club. J. W. Marden, President, Boston, Mass.; J. N. Lauder, Vice-President, Boston, Mass.; J. M. Ford, Secretary and Treasurer, Allston, Mass. Executive Committee: J. W. Marden, J. N. Lauder, F. D. Adams, O. Stewart, D. C. Richardson, John Kent, C. J. Post, F. O. Mosely, G. H. Billings. Financial Committee: S. D. Nye, F. M. Curtis, Osgood Bradley, T. W. Getman, George Buntin, H. L. Leach, F. D. Sherburne, G. W. Peck, C. W. Sherburne. The next annual meeting will be held March 9th, 1887.

New England Roadmasters' Association. A. C. Stevens, President, Boston, Mass.; J. S. Lane, Vice-President, Hartford, Ct.; E. W. Horner, Chaplain, Rutland, Vt.; W. F. Ellis, Secretary, Woonsocket, R. I.; John R. Patch, Treasurer, Springfield, Mass. Executive Committee: P. A. Eaton, Manchester, N. H.; L. H. Perkins, New Haven, Ct.; G. W. Bishop, W. F. Ellis, Woonsocket, R. I.; A. C. Stevens, Boston, Mass. The next annual meeting will be held at Hartford, Ct., on October 19 and 20, 1887.

New York Freight Contracting Agents' Association. R. F. First, President; Thomas J. Nicholl, Vice-Pres-

ident; W. J. Leary, Treasurer; James Abrams, Financial Secretary; James Currie, Corresponding Secretary. Trustees: G. T. Smith, Charles Merwin, F. Lydecker, B. Howell, P. Stohrs.

New York City and Northern Employes' Mutual Benefit Association. Thomas Millen, President; W. D. Davies, Vice-President; C. P. Curtis, Secretary; L. J. Maher, Corresponding Secretary; Frank S. Gannon, Treasurer. Executive Committee: M. W. Maguire, H. C. Moore, E. E. Gannon.

Ohio State Tramway Association. D. W. Stroud, President, Springfield, O.; J. M. Doherty, Vice-President, Cincinnati, O.; H. A. Everett, Secretary, Cleveland, O.; J. B. Hanna, Treasurer, Cleveland, O. Executive Committee: L. F. Shipherd, Toledo, O.; and all the officers as above. The next annual meeting will be held under the auspices of the Citizens' Street Ry. Co. at Springfield, O., on Wednesday, November 16, 1887.

Old Colony Railroad Beneficial Association. G. W. Wilson, President; Fremont Whitten, Secretary; C. F. Russell, Treasurer; G. W. Wilde, Financial Secretary. Directors: J. C. Sanborn, George T. Taylor, N. B. Bickford, D. F. Desmond, W. E. Pierce, G. W. Wilson, G. W. Holbrook, F. Whitten, A. O. Brown, C. F. Russell, W. H. Ward, G. W. Wilde, C. B. Sears. Trustees: G. W. Wilde, S. C. Putnam, J. C. Sanborn. Auditors: C. F. Hammond, G. W. Holbrook, P. W. Jackson.

Order of Railway Conductors. C. S. Wheaton, Grand Chief Conductor; William P. Daniels, Grand Secretary and Treasurer; E. L. Paisley, Chief Conductor; E. L. Potts, Assistant Chief Conductor; E. Cowan, Second Chief Conductor; F. A. Burnell, Secretary and Treasurer; W. J. Durbin, Senior Conductor; W. W. Flack, Junior Conductor; Charles W. Everts, Inside Sentinel; John H. Hall, Outside Sentinel. General Office, Chicago, Ill. Next annual convention, New Orleans, May 10, 1887, at 1 P. M.

Pennsylvania Company Mutual Benefit Association. M. V. Miller, President, Bridgeport, O.; W. F. Ross, 1st Vice-President, Allegheny, Pa.; O. E. Bradway, 2d Vice-President, Fort Wayne, Ind.; D. A. Brandt, 3d Vice-President, Toledo, O.; George Skinner, 4th Vice-President, Cleveland, O.; Samuel Shimp, General Secretary and Treasurer, Alliance, O. Next annual convention at Alliance, O., on July 21, 1887.

Railway Conductors' Life Insurance Association. G. F. Hanford, President; Thomas S. Roche, 1st Vice-President; B. F. Bond, 2d Vice-President; H. P. Feltrow, Secretary and Treasurer, Columbus, O.; A. C. Sinclair, Orator, Chicago, Ill.; E. W. Burns, Alternate Orator, Hagerstown, Md. The next annual meeting will be held at Portland, Me., on the second Wednesday in October, 1887.

Railway Officers' Association. J. H. Stewart, President, Cincinnati, O.; Robert Blee, 1st Vice-President, Cleveland, O.; J. T. Harahan, 2d Vice-President, Louisville, Ky.; J. F. Miller, 3d Vice-President, Columbus, O.; John E. Rose, Treasurer, Cincinnati, O.; Charles H. Houghton, Secretary, Cincinnati, O.

Railway Passenger and Freight Conductors' Mutual Aid and Benefit Association of the United States and Canada. John R. Sandy, President, Chicago, Ill.; W. S. Sears, 1st Vice-President, Adrian, Mich.; Edmund Coman, 2d Vice-President, Kansas City, Mo.; Charles Huntington, Secretary and Treasurer, Chicago, Ill. Board of Directors: C. A. Loomis, J. R. Wheldon, J. E. Curran, E. A. Sadd, William M. Knight, Chicago, Ill.; J. H. Snyder, Kensington, Ill.; John Hinman, Detroit, Mich. Next annual meeting at Chicago in October, 1887.

Railway Station Agents' Association of North America. George Petry, President, Shelbyville, Ky.; G. F. Talmadge, Vice-President, Hastings, Minn.; O. L. Rickard, Secretary, Merillan, Wis.; G. L. Spink, Treasurer, Princeton, Ky. Executive Committee: G. F. Talmadge, Hastings, Minn.; T. J. Kean, Louisville, Ky.; G. Lewis, Kirkland, Ill.; C. H. Armistead, Bolton, Miss.; J. C. Downing, Memphis, Tenn.; E. L. Hobart, Cedar Rapids, Ia.; Frank Beckley, Bainbridge, O.; L. A. Clark, Columbus, Neb. Next annual convention in Minneapolis, commencing July 20, 1887.

Railway Travelling Auditors' Association. George E. Terry, President, Albany, N. Y.; F. N. Hayden, Vice-President, Buffalo, N.Y.; T. H. Grosse, Secretary and Treasurer, Battle Creek, Mich.

Road Masters' Association of America. J. W. Craig, President; C. E. Jones and D. Coleman, Vice-Presidents; D. H. Lovell, Secretary; Thomas Adamson, Treasurer.

Sleeping-Car Conductors' Mutual Aid Association of North America. William B. Booz, President, Baltimore, Md.; P. C. Franklin and J. H. Livingston, Vice-Presidents, Chicago, Ill.; S. W. Riles, Secretary and Treasurer, Chicago, Ill. Directors: E. P. Valentine, Chicago, Ill.; W. K. Tubman, Baltimore, Md.; J. D. Haggerston, Chicago, Ill.; W. H. Crusey, Baltimore, Md.; P. L. Andrews, New York, N. Y. Next annual convention in Chicago in October, 1887.

Street (The) Railway Association of the State of New York. G. H. Scribner, President, New York, N. Y.; Chauncey C. Woodworth, 1st Vice-President, Rochester, N. Y.; John W. McNamara, 2d Vice-President, Albany, N. Y.; William J. Richardson, Secretary and Treasurer, Brooklyn, N. Y. Executive Committee: G. H. Scribner, New York, N. Y.; William J. Richardson, Brooklyn, N. Y.; Lewis Lyons, New York, N. Y.; William H. Hazzard, Brooklyn, N. Y.; William White, New York, N. Y. The next annual meeting will be held in Brooklyn, N. Y., on September 20, 1887.

Train Dispatchers' Association. E. F. Kniblee, President, Buffalo, N.Y.; John B. Slocum, Vice-President, Buffalo, N. Y.; E. D. Wells, Secretary and Treasurer, Buffalo, N. Y. Executive Committee: J. W. Lynahan, W. C. Bryant, J. S. Watson.

Train Dispatchers' Association. G. W. Babbitt, President, St. Thomas, Ont.; F. J. Martin, Vice-President, Olean, N.Y.; E. J. Peabody, Secretary and Treasurer, Marion, Ia. Executive Committee: 1st district, A. E. Bonghnier, Fort Worth, Tex.; 2d district, A. A. Zion, Indianapolis, Ind.; 3d district, J. B. McCormic, Denver, Col.; 4th district, W. W. Polk, Water Valley, Miss.; 5th district, W. I. Allen; 6th district, I. H. McEwen; 7th district, E. A. Smith.

Train Dispatchers' Association, New York and New Jersey District Assembly. E. H. Lewis, President, Jersey City, N. J.; J. H. Quigg, Vice-President, Long Island City, N. Y.; W. C. Hartigan, Secretary and Treasurer, Middletown, N. Y. Executive Committee: J. Colehan, Hoboken, N. J.; C. H. Hopkins, Norwich, N. Y.; C. Halligan, Kingston, N. Y.

Western Association of General Passenger and Ticket Agents. B. F. Horner, President, Cleveland, O.; W. S. Smith, Vice-President, Chicago, Ill.; J. E. Hannigan, Secretary, Cedar Rapids, Ia. Executive Committee: William Hill, F. Chandler, W. H. King, J. R. Buchanan.

Western General Freight Agents' Association. E. B. Ripley, President; J. F. Goddard, Vice-President; George M. Bogue, Treasurer; F. French, Secretary.

Western Railroad Association. B. F. Ayer, President; George Payson, General Counsel and Treasurer; C. R. Babeuf, Secretary, Chicago, Ill. Board of Directors: B. F. Ayer, B. C. Cook, A. L. Osborn, H. B. Stone, J. C. McMullin, H. H. Poppleton, S. R. Callaway, Roswell Miller, John Newell, John B. Carson, E. T. Jeffery, T. F. Withrow. Executive Committee: B. F. Ayer, B. C. Cook, A. L. Osborn, John Newell, H. B. Stone, H. H. Poppleton, T. F. Withrow. Offices, 62, 63, 64 and 65 Honore Block, Chicago, Ill. The next annual meeting will be held at the offices in Chicago, Ill., on January 10, 1888.

Western Railway Club. W. A. Scott, President, Chicago, Ill.; H. D. Cooper, Vice-President, Lima, O.; Angus Sinclair, Secretary, Chicago, Ill.; W. B. Snow, Treasurer, Chicago, Ill. No annual convention. The club meetings are held on the third Wednesday of each month in the Grand Pacific Hotel, Chicago, Ill.

Yard-Masters' Mutual Benefit Association. Edwin M. Carter, President, Wilmington, Del.; John J. Breenahan, 1st Vice-President, Denver, Col.; Thomas G. Gresham, 2d Vice-President, Atlanta, Ga.; Joseph Sanger, Secretary and Treasurer, Indianapolis, Ind.; William Baird, Corresponding Secretary, Philadelphia, Pa. Executive Committee: John Q. Hicks, Indianapolis, Ind.; George J. Johnson, La Crosse, Wis.; A. J. Hitt, Minneapolis, Minn.; S. F. Randall, Louisville, Ky.; James Gordon, Trenton, N. J.; Justus Hohl, Kansas City, Mo; George N. Anderson, Altoona, Pa. The next annual convention will be held at Detroit, Mich., commencing June 8, 1887.

CITY AND TOWN INDEX.

(19) List of Cities and Towns in the United States and Canada in which there are General Offices or Repair Shops of Railroad Companies, or in which are located the Offices or Residences of Railroad Officials.

(Note.—The number following each town indicates the page in this Directory upon which will be found the name, etc., of the officials in each town.)

Aberdeen, Dak.—41.
Aberdeen, Miss.—75, 103.
Ackley, Ia.—27.
Addison, N. Y.—1.
Adelphi, O.—44.
Adrian, Mich.—83.
Agnes, Que.—77.
Akron, O.—27, 47, 113, 173.
Alamosa, Col.—55.
Albany, N. Y.—53, 111, 155.
Albert Lea, Minn.—21, 97.
Albina, Ore.—123.
Albuquerque, N. M.—9.
Alexandria, Va.—145, 147.
Algiers, La.—161.
Allandale, Ont.—119.
Allegheny, Pa.—11, 47, 129, 131.
Allentown, Pa.—35.
Alliance, O.—83.
Alliston, Mass.—17.
Alton, Ill.—31.
Altoona, Pa.—125, 127.
Altoona, Wis.—43.
Alvarado, Tex.—99, 101.
Amboy, Ill.—75.
Amelia C. H., Va.—145.
Americus, Ga.—3, 27.
Amsterdam, N. Y.—155.
Anderson Ind.—95.
Angelica, N. Y.—81.
Annapolis, Md.—3.
Anniston, Ala.—3.
Antigo, Wis.—95.
Antrim, Pa.—61.
Antwerp, O.—3.
Argenta, Ark.—3, 93.
Arkadelphia, Ark.—101.
Arkansas City, Ark.—3.
Armstrong, Kan.—171.
Ash Grove, Mo.—79.
Ashland, Ky.—3, 5, 31.
Ashland, Va.—147.
Ashland, Wis.—95, 119, 178.
Asheville, N. C.—145, 147.
Atchison, Kan.—5, 35, 37, 99, 101.
Athens, Ga.—147.
Athens, Pa.—85.
Athol, Mass.—63.
Atkins, S. C.—17.
Atlanta, Ga.—37, 45, 59, 65, 67, 89, 143, 145, 147, 151, 175.
Atlantic City, N. J.—25.
Attalla, Ala.—165.
Attica, Ind.—89.
Attica, N. Y.—115.
Auburn, Me.—91.
Augusta, Ark.—13.
Augusta, Ga.—9, 29, 65, 67, 165.
Augusta, Kan.—153.
Augusta, Me.—91.
Aurora, Ill.—31, 35.
Aurora, Ind.—121.
Austin, Nev.—171.
Austin, Tex.—9, 103.
Ayer, Mass.—63.
Aylmer, P. Q.—139.

Baltimore, Md.—3, 7, 9, 11, 51, 93, 121, 131, 133, 139, 145, 147, 155, 157, 163, 169, 175.
Bangor, Me.—11, 13, 91.
Bangor, Mich.—125.
Bangor, Pa.—13.
Bankville, Pa.—85.
Baraboo, Wis.—41, 42.
Barclay, Pa.—115.
Baring, Me.—149.
Baring Cross, Ark.—101.
Bartlett, N. H.—141.
Batavia, N. Y.—111.
Batesburg, S. C.—145.
Batesville, O.—45.
Bath, Me.—81.
Bath, N. Y.—13.
Bathurst, N. B.—25.
Battle Creek, Ida.—171.
Battle Creek, Mich.—67, 69.
Battle Mountain, Nev.—171.
Bay City, Mich.—93.
Bay Ridge, L. I.—115.
Bay St. Louis, Miss.—89.
Bay Side, N. Y.—95.
Beardstown, Ill.—83.
Bear Lake, Mich.—13.
Beatrice, Neb.—35.
Beaumont, Tex.—161, 163.
Beaver, Pa.—137.
Beaver Falls, Pa.—137.
Bedford, Ind.—89.
Bedford, Pa.—125, 127.
Bellaire, O.—11.
Bellefontaine, O.—15.
Belle Plaine, Ia.—41, 49.
Belle Plaine, Kan.—55.
Belleville, Ill.—75, 87, 151.
Belleville, Ont.—67.
Bellevue O.—113.
Bellow's Falls, Vt.—49.
Bellwood, Pa.—15.
Belmont, Mo.—101.
Belvidere, N. J.—13.
Bennington, Vt.—17, 117.
Benson, Ariz.—5, 7, 159.
Berkley, Va.—117.
Berlin, Md.—177.
Berrian Springs, Mich.—151.
Bethlehem, Pa.—21, 85.
Big Springs, Tex.—101, 165, 167.
Big Run, O.—91.
Binghamton, N. Y.—139, 159.
Bird's Point, Mo.—101.
Birmingham, Ala.—79, 87, 89, 143, 145, 147.
Bismarck, Mo.—101.
Black River Falls, Wis.—43.
Blairstown, N. J.—13, 105, 151.
Blairsville, Pa.—125, 127.
Blocton, Ala.—23.
Bloomfield, N. B.—153.
Bloomington, Ill.—5, 31, 75, 83.
Blossburg, Pa.—115.
Blue Canon, Cal.—159.
Bodie, Cal.—17.
Boiling Springs, Pa.—71.
Bolleston, Fla.—149.
Bonne Terre, Me.—149.
Boone, Ia.—41, 42.
Booneville, Ind.—87.
Boonton, N. J.—55.
Booth, Mo.—33.
Bordentown, N. J.—127.
Boston, Mass.—3, 5, 7, 9, 13, 17, 19, 23, 31, 33, 35, 37, 41, 42, 44, 47, 49, 53, 57, 59, 63, 65, 67, 69, 71, 77, 79, 81, 85, 87, 91, 93, 99, 101, 103, 111, 113, 115, 117, 121, 123, 129, 139, 141, 145, 149, 157, 161, 163, 167, 169, 171, 173, 174, 175, 177, 178.
Bowersville, O.—44.
Bowling Green, Ky.—89.
Bowling Green, O.—19, 167.
Bowmansville, Pa.—71.
Boyce P. O., Va.—157.
Bradford, Pa.—19, 21, 63, 85, 87, 141, 157.
Braidwood, Ill.—31.
Brainard, Minn.—119.
Brandywine, Md.—173.
Brattleboro, Vt.—29.
Brazil, Ind.—89, 173.
Bridgeport, Conn.—73, 107, 113, 117.
Bridgewater, Mass.—121.
Bridgton, Me.—19.
Brighton, Ia.—27.
Brightwood, Ind.—15.
Brinkley, Ark.—13, 93.
Bristol, R. I.—19.
Bristol, Tenn.—159.
Brookfield, Mo.—35, 37.
Brookings, Dak.—43.
Brooklyn, N. Y.—19, 21, 65, 85, 87, 141, 157.
Brookville, Kan.—171.
Brownsville, Tex.—147.
Brunswick, Ga.—1.
Brunswick, Me.—91.
Buchanan, Mich.—151.
Buchanan, Va.—145, 157.
Buckingham, Que.—27.
Bucyrus, O.—167.
Buena Vista, Cal.—107.
Buena Vista, Col.—171.
Buffalo, N. Y.—5, 19, 21, 41, 42, 49, 53, 55, 75, 83, 85, 93, 95, 111, 113, 119, 121, 157, 169.
Burlington, Ia.—21, 23, 33, 35, 37, 73.

Burlington, Vt.—21, 22.
Burnham, Col.—55.
Butler, Ind.—174.
Butler, Pa.—175.
Butte City, Mont.—105, 119, 169, 171.

Cadillac, Mich.—23, 105.
Cairo, Ill.—23, 75, 99, 167.
Calais, Me.—149.
Calmar, Ia.—41.
Calumet, Mich.—71.
Cambridge, O.—47.
Cambridge City, Ind.—65.
Camden, N. J.—3, 23, 25, 127, 133, 177.
Cameron, Mo.—43.
Cameron Junction, Mo.—37.
Campellton, N. B.—23.
Canajoharie, N. Y.—155.
Canandaigua, N. Y.—111.
Canarsie, N. Y.—21.
Canon City, Col.—55.
Canton, Me.—149.
Canton, O.—25, 47.
Cape Charles, Va.—135.
Cape Girardeau, Mo.—25.
Cape May, N. J.—25, 53.
Carbondale, Ill.—67.
Carbondale, Pa.—53.
Carillon, Can.—25.
Carleton Junction, Ont.—25.
Carlin, Nev.—159, 161.
Carlinville, Ill.—71.
Carlisle, Pa.—51, 67, 163.
Carl Junction, Mo.—153.
Carondelet, Mo.—101.
Carroll, Ia.—43.
Carrollton, Ill.—85.
Carson, Nev.—173, 174.
Carthage, N. Y.—27, 149.
Cary, N. C.—157.
Castle Shannon, Pa.—137.
Catasauqua, Pa.—27, 77.
Catawissa, Pa.—137.
Catskill, N. Y.—27.
Cedar Rapids, Ia.—5, 21, 37, 41, 57, 79.
Cedartown, Ga.—59.
Centerville, Ia.—77, 97.
Central, Va.—117.
Chadbourn, N. C.—177.
Chadron, Neb.—42.
Chagrin Falls, O.—29.
Chama, N. M.—55.
Chambersburg, Pa.—51, 103.
Chamois, Mo.—99.
Champaign, Ill.—75.
Chapleau, Ont.—25.
Charlton, Ia.—33, 65.
Charleston, Ill.—167.
Charleston, Mo.—101.
Charleston, S. C.—7, 61, 139, 163.
Charleston, W. Va.—79.
Charlestown, Mass.—63.
Charlotte, N. C.—145, 155.
Charlottetown, P. E. I.—23, 25.
Chartiers, Pa.—137.
Chatham, N. B.—31, 119.
Chatham, Ont.—39, 61.
Chattanooga, Tenn.—5, 11, 44, 65, 73, 99, 143, 147, 167, 169.
Chelton Hills, Pa.—115.
Cheraw, S. C.—7
Cherokee, Kan.—79.
Cherryvale, Kan.—5.
Chester, Ill.—174.
Chester, S. C.—145.
Chester, Va.—19.
Chestertown, Md.—9.
Chetopa, Kan.—55.
Cheviot, O.—45.
Cheyenne, Wyo.—171.
Chicago, Ill.—5, 9, 23, 31, 33, 35, 37, 39, 41, 42, 43, 44, 51, 65, 69, 71, 73, 75, 77, 79, 83, 89, 93, 95, 97, 99, 103, 111, 113, 119, 131, 135, 137, 139, 143, 151, 153, 167, 169, 174, 178.
Chicago Junction, O.—11.
Chillicothe, O.—45, 155.
Chippewa, Falls, Wis.—43, 178.
Churchwood, Va.—117.
Cimarron Col.—55.
Cincinnati, O.—5, 9, 11, 13, 15, 31, 33, 35, 44, 45, 47, 53, 55, 59, 65, 81, 89, 91, 99, 113, 119, 121, 131, 143, 145, 151, 161, 165, 167, 169, 174.
Claremont, N. H.—19, 93.
Clarendon, Pa.—175.
Clarinda, Ia.—73.
Clarksville, Tenn.—75, 89.
Clay City, Ky.—81.
Clayton, Del.—133.
Clearfield, Pa.—15.
Cleveland, O.—13, 15, 29, 35, 41, 42, 45, 47, 53, 111, 113, 115, 129, 131, 167, 169, 171, 174.
Clifton, Ariz.—3.
Clinton, Ill.—75.
Clinton, Ia.—21, 41, 42.
Clinton, Mo.—79.
Clintonville, Wis.—95.
Coatville, Pa.—177.
Cobourg, Ont.—47.
Cochran, Ind.—121.
Colchester, Vt.—23.
Coldwater, Mich.—83.
Colfax, Ia.—77.
Collegeville, Pa.—137.
Cologne, Minn.—41.
Colorado Springs, Col.—47.
Columbia, Pa.—125, 143.
Columbia, S. C.—14.
Columbia, Tenn.—89, 107.
Columbus, Ga.—27, 49, 67.
Columbus, Ky.—101.
Columbus, Miss.—147.
Columbus, O.—5, 11, 13, 15, 35, 41, 42, 47, 49, 75, 79, 107, 119, 131, 151, 155, 169.
Columbus, Tex.—73.
Colusa, Cal.—49.
Como, Col.—173.
Company's Shops, N. C.—145.
Concord, Ia.—39.
Concord, N. H.—17, 19, 49, 105, 141.
Conemaugh, Pa.—125.
Conneaut, N. Y.—111, 113.
Connersville, Ind.—44.
Conway Springs, Kan.—55.
Coolidge, Kan.—5.
Coolidge, N. M.—9.
Cooperstown, N.Y.—51.
Corning, N. Y.—15, 61, 139, 163.
Corning, O.—167.
Cornwall, Pa.—51, 77.
Corry, Pa.—113.
Corsicana, Tex.—73.
Cortland, N. Y.—61.
Corvallis, Ore.—123.
Corydon, Ind.—89.
Coudersport, Pa.—51.
Council Bluffs, Ia.—35, 37, 41, 42, 51, 169, 174.
Council Grove, Kan.—99.
Coventry, Vt.—49.
Covington, Ga.—67.
Covington, Ky.—109.
Cranberry, N. C.—59.
Crawfordsville, Ind.—173.
Crestline, O.—129, 131.
Creston, Ia.—33.
Crockett, Tex.—103.
Crookston, Minn.—153.
Cross Cut P. O., Pa.—131.
Cross Point, Que.—9.
Crown Point, N. Y.—51.
Crownsville, Md.—3.
Crystal City, Mo.—51.
Cuchara, Col.—55.
Cuero, Tex.—161.
Cumberland, Md.—9, 11, 51, 67.
Cumberland Mills, Me.—141.
Cuthbert, Ga.—27.
Cynthiana, Ky.—81.
Cypress, Mo.—99.

Daggett, Cal.—9.
Dahlonega, Ga.—65.
Dallas, Tex.—13, 33, 69, 99, 101, 121, 143, 165, 167, 174.
Danbury, Conn.—73.
Danville, Ill.—39, 41, 75, 97.
Danville, Va.—51.
Dardanelle, Ark.—53.
Davenport, Ia.—39, 43, 77.
Davis, W. Va.—175.
Dawson, Pa.—137.
Dayton, O.—13, 15, 53, 113.
Decatur, Ala.—89.
Decatur, Ill.—153, 165, 174.
DeKalb Junction, N. Y.—149.
Delano, Minn.—153.
Delano, Pa.—95.
Delaware, O.—15.
Delaware Mine, Mich.—81.
Delphos, O.—47, 167.
Deming, N. M.—159.
Denison, Tex.—101.
Dennison, O.—131.
Denver, Col.—5, 33, 35, 37, 41, 42, 55, 57, 121, 169, 171, 174.
Derry, Pa.—137.
Deseronto, Ont.—105.
Des Moines, Ia.—5, 35, 42, 43, 57, 119, 151, 153, 169, 174.
De Soto, Mo.—101.
Detroit, Mich.—5, 35, 41, 42, 44, 57, 67, 69, 83, 93, 143, 149, 153, 169, 174, 177, 178.
Dexterville, Wis.—175.
Donahue, Cal.—155.
Donald, B.C.—25.
Douglas, Wyo.—42.
Dover, N. J.—53, 63, 71.
Downs, Kan.—101.
Du Bois, Pa.—21.
Dubuque, Ia.—39, 41, 75, 97.
Duluth, Minn.—57, 119, 153.
Dunkirk, N. Y.—111.
Dunmore, Pa.—61.
Durango, Col.—55.
Dutchess Junction, N. Y.—107.
Dwight, Ill.—81.

Eagle Grove, Wis.—41, 42.
Eagle Rock, Idaho.—171.
Eames, Mich.—139.
Earlington, Ky.—89.
East Albany, N. Y.—17, 111.
East Boston, Mass.—19.
East Buffalo, N. Y.—111.
East Cambridge, Mass.—19, 105.
East Chatham, Mass.—17.
East Milan, P. O., Mich.—167.
Easton, Pa.—77.
East Portland, Ore.—123.
East Rochester, N. Y.—111.
East Saginaw, Mich.—63, 149.
East St. Louis, Ill.—15, 31, 59, 75, 89, 103, 151.
East St. Paul, Minn.—43.
East Tawas, Mich.—57.
Echo, Utah.—171.
Economy, Pa.—85.
Edgar, Neb.—35.
Edgartown, Mass.—93.
Edgefield, Tenn.—89.
Edmonton, Eng.—67.
Effingham, Ill.—173.
Eldora, Ia.—39.
Eldorado, Kan.—103.
Elgin, Ill.—41.
Elgin, N. B.—59.
Elizabeth, N. J.—29, 163.
Elizabethtown, Ky.—89.
Elkhart, Ind.—45, 83.
Ellensburg, W. Terr.—119.
Ellis, Kan.—171.
Elmira, N. Y.—55, 61, 113, 115, 163, 169.
El Paso, Tex.—99, 161, 167.
Elroy, Wis.—42.
Elyria, O.—63.
Emleuton, Pa.—1.
Emmitsburg, Md.—61.
Emporia, Kan.—5, 99, 151.
Englewood, Ill.—83.
Erie, Pa.—83, 127, 131, 129.
Escanaba, Mich.—42.
Essex, Conn.—19.

Estherville, Ia.—91.
Eureka, Cal.—59.
Eureka, Nev.—61, 149.
Eureka Springs, Ark.—61.
Eustis, Fla.—63.
Eutawville, S. C.—61.
Evanstown, Wy.—171.
Evansville, Ind.—61, 87, 89.
Evart, Mich.—63.
Evergreen, Ala.—89.

Fairchild, Wis.—37.
Fall River, Mass.—121.
Falls Village, Conn.—73.
Fargo, Dak.—39, 41, 119.
Farmington, Me.—155.
Farnham, Que.—163.
Fayetteville, Ark.—123.
Fayetteville, N. C.—25.
Fergus Falls, Minn.—119.
Fernandina, Fla.—63.
Fishkill Landing, N. Y.—115.
Fitchburg, Mass.—63, 121.
Flagstaff, Ariz.—3.
Flatbush, N. Y.—157.
Flemingsburg, Ky.—45.
Flint, Mich.—63.
Flomaton, Ala.—89.
Flora, Ill.—121.
Florence, Kan.—5.
Florence, S. C.—9, 7.
Florissant, Mo.—151.
Fond du Lac, Wis.—41, 42.
Foot of Plane, Pa.—113.
Forest, O.—75.
Forest City, Ark.—101.
Forest City, Ia.—39.
Fort Dodge, Ia.—75, 93, 97.
Fort Howard, Wis.—42, 95.
Fort Madison, Ia.—65.
Fort Mason, Fla.—63.
Fort Scott, Kan.—79, 81, 103.
Fort Smith, Ark.—153.
Fort Valley, Ga.—27.
Fort Wayne, Ind.—65, 113, 129, 131, 174.
Fort Worth, Tex.—13, 65, 99, 101, 167.
Foxboro, Mass.—93.
Foxbury, Pa.—11.
Framingham, Mass.—121.
Frankford, Mo.—151.
Frankfort, Ind.—167.
Frankfort, N. Y.—111.
Franklin, Mass.—121.
Franklin, N. H.—19, 105.
Franklin, O.—15.
Franklin, Pa.—45, 117.
Fredericksburg, Va.—141.
Fredericton, N. B.—119.
Fredonia, Kan.—99, 153.
Fredonia, N. Y.—111.
Fredonia, Pa.—157.
Freehold, N. J.—65.
Freeport, Ill.—41, 42.
Fremont, Neb.—42.
Fremont Centre, Mich.—105.
Fulda, Dak.—41.
Fulton, W. Va.—177.

Gadsden, Ala.—165.
Gainesville, Ga.—65.
Galesburg, Ill.—31.
Galion, O.—15, 113.
Gallatin, Tenn.—31.
Galva, Ill.—147.
Galveston, Tex.—69, 99, 103, 151, 161.
Gananoque, Ont.—107.
Gardiner, Me.—65.
Garrett, Ind.—11.
Georgetown, S. C.—65.
Georgeville, R. I.—141.
Gibson, N. B.—119.
Glendale, Miss.—103.
Glendive, Mont.—119.
Glenwood, Pa.—11.
Gloversville, N. Y.—63.
Golden, Col.—171.
Goldsboro, La.—101, 165.
Gordan, Ga.—27.
Gorham, Me.—19.
Grafton, Mass.—67.
Grafton, O.—15.
Grafton, W. Va.—11, 67.
Grand Falls, N. B.—107.
Grand Forks, Dak.—153.
Grand Island, Neb.—171.
Grand Junction, Ia.—57.
Grand Rapids, Mich.—23, 42, 44, 93, 95, 131, 174.
Grant's Pass, Ore.—123.
Grass Valley, Cal.—107.
Grayson, Ky.—59.
Great Bend, Kan.—5.
Green Bay, Wis.—69, 95.
Green Island, N. Y.—53.
Greenleaf, Kan —101.
Green River, Utah.—53.
Greensboro, N. C.—25, 145.
Greenup, Ky.—59.
Greenville, Mich.—123.
Greenville, Miss.—145.
Greenville, O.—45.
Greenville, Pa.—157, 175.
Greenville, Tex.—99, 101.
Greenwich, N. Y.—69.
Guaymas, Mex.—5, 7.
Guilford, Conn.—117.
Gunnison, Col.—55.
Guntersville, Ala.—165.

Hadlow, Que.—23.
Hagerstown, Md.—157.
Halifax, N. S.—23.
Hamilton, O.—44.
Hamilton, Ont.—67, 69, 117, 119.
Hammondsport, N. Y.—13.
Hampton, Ia.—97.
Hampton, N. B.—153.
Hancock, Mich.—71, 95.
Hannibal, Mo.—35, 37, 101, 151, 174.
Hanover, Mass.—71.
Hanover, Pa.—175.
Harlem, Ga.—67.
Harrisburg, Pa.—33, 125, 127.
Harrisburg, Tex.—161.
Harrison, Mich.—63.
Harrisonville, Mo.—99.
Harrisonville, W. Va.—125.
Harrodsburg, Ky.—163.
Hartford, Conn.—71, 115, 117, 141.
Harvard, Ill.—42.
Havana, Cuba, 161.
Hawthorne, Nev.—174.
Hazleton, Pa.—85.
Helena, Ark.—3.
Helena, Mont.—119, 169.
Henderson, Ky.—69, 121.
Henderson, N. C.—123, 157.
Herkimer, N. Y.—71.
Herne, Tex —103.
Hiawatha, Kan.—99.
Hicksford, Va.—9, 93.
High Bridge, N. Y.—113.
Hightstown, N. J.—135.
Hillsboro, N. B.—1.
Hillsboro, O.—49.
Hillsdale, Mich.—63.
Hillsdale, N. J.—109.
Hinton, W. Va.—109.
Hobart, Mich.—71.
Hoboken, N. J.—53, 127.
Holden, Mo.—99, 101.
Holdredge, Neb.—35.
Holland, Mich —44.
Holly Grove, Ark.—3.
Holyoke, Mass.—71.
Honesdale, Pa.—53.
Honeut, Cal.—117.
Hope, Ark.—101.
Hope Valley, R. I.—173.
Hopkinsville, Ky.—89.
Horicon, Wis.—41.
Hornellsville, N. Y.—113, 115.
Hot Springs, Ark.—71.
Houston, Tex.—73, 89, 99, 103, 161, 163.
Hudson, Wis.—42, 43.
Hughesville, Pa., 177.
Hugo, Col.—171.
Humboldt, Nev. —159.
Hunnewell, Ky.—59.
Huntsville, Ont.—119.
Huntingburg, Ind.—87.
Huntingdon, Pa.—73, 125.
Huntington, Ind.—33.
Huron, Dak.—42.
Hyannis, Mass.—121.

Imperial, Pa.—105.
Imuris, Mex.—7.
Indianapolis, Ind.—5, 13, 15, 17, 27, 33, 35, 41, 42, 43, 44, 53, 75, 77, 89, 99, 109, 119, 131, 151, 153, 167, 169, 173, 174.
Ionia, Mich.—57.
Iowa Falls, Ia.—81.
Irondale, Ont.—77.
Ironton, O.—53, 77.
Irwin, Pa.—173.
Ishpeming, Mich.—43, 91.
Ithaca, N. Y.—55.

Jackson, Mich.—33, 93, 95, 174.
Jackson, Miss.—91.
Jackson, Mo.—35.
Jackson, Tenn.—75, 103.
Jacksonville, Fla.—7, 63, 65, 77, 89, 139, 143, 145, 149, 175.
Jacksonville, Ill.—77, 85.
James, Ga.—67.
Jamesburg, N. J.—127.
Jamestown, N. Y.—31, 113.
Jamesville, N. C.—77.
Jane Lew, Va.—47, 177.
Janesville, Wis.—39, 42.
Jefferson, N. H.—177.
Jefferson City, Mo.—99.
Jeffersonville, O.—44.
Jellico, Tenn.—89.
Jersey City, N. J.—61, 113, 115, 117, 127, 129, 133.
Jersey Shore, Pa.—15.
Jerseyville, Ill.—151.
Jewell Junction, Ia.—42.
Johnston Station, Pa.—71.
Johnstown, N. Y.—63.
Johnstown, Pa.—73.
Joliet, Ill.—31, 43.
Jonesboro, Ark.—79.
Jonesboro, N. C.—25.
Joplin, Mo.—79.
Juab, Utah.—173.
Junction, Ore.—123.

Kalamazoo, Mich.—1, 33.
Kane, Pa.—17.
Kankakee, Ill.—44, 75, 77.
Kansas, Ill.—43.
Kansas City, Mo.—5, 13, 33, 35, 37, 43, 65, 79, 81, 89, 91, 95, 99, 103, 131, 169, 171, 174.
Kaukauna, Mich.—95.
Keating Summit, Pa.—157.
Keene, Cal.—159.
Keene, N. H.—31, 49.
Keithsburg, Ill.—27.
Kendallville, Ind.—63.
Kenesaw, Ga.—175.
Kent, O.—113.
Kentville, N. S.—177.
Keokuk, Ia.—39, 35, 43, 97, 174.
Kingsland, N. J.—53.
Kingston, N. Y.—111, 174.
Kingston, Ont.—81.
Kingston, Pa.—53.
Kirkville, Ia.—37.
Kissimmee, Fla.—137.
Knobel, Mo.—101.
Knoxville, Tenn.—59, 147.
La Crosse, Wis.—33, 39, 41.
Lafayette, Ala.—161.
Lafayette, Ind.—44, 83, 89.
Lafayette, La.—161
La Grande, Ore.—123.
La Grange, Ky.—89.
La Junta, Col.—5.
Lake City, Mich. —105.
Lakeland, Fla.—139.
Lake Village, N. H.—19.

Lambertville, N. J.—127.
Lancaster, N. H.—19.
Lancaster, O.—45.
Lancaster, Pa.—42, 81, 127.
Lanesboro, Minn.—41.
La Porte, Ind.—83.
Laramie, Wyo.—171.
Laredo, Tex.—147.
Las Cruces, N. M.—5.
Las Vegas, N. M.—5.
Lathrop, Cal.—159.
Laurensburg, N. C.—155.
La Veta, Col.—55.
Lawrence, Kan.—5, 169, 171.
Lawrence, Mass.—19.
Lawrence, Junction, Pa.—131.
Lawton, Mich.—125.
Lead City, Dak.—17.
Leadville, Col.—55, 171.
Leaksville, N. C.—51.
Leavenworth, Kan.—171.
Lebanon, Ill.—121.
Lebanon, Ky.—89.
Lebanon, Mo.—153.
Lebanon, Pa.—51.
Leeper, Mo.—103.
Lehigh, Ia.—51.
Leicester, N. Y.—55.
Leland, Miss.—91.
Lennoxville, Que.—77.
Le Sueur, Minn.—43.
Levis, Que.—141.
Lewistown, Ill.—65.
Lewistown, Pa.—125, 127.
Lexington, Ky.—81, 87, 89, 109, 143.
Lexington, Mo—99.
Ligonier, Pa.—85.
Lima, O.—44, 83.
Lime Rock, Conn.—71, 73.
Lincoln, Neb.—35.
Linndale, O.—15.
Litchfield, Conn—157.
Little Falls, N. Y.—111.
Little Genessee, N. Y.—19.
Little Rock, Ark.—3, 13, 61, 81, 89, 93, 99, 101.
Liverpool, Eng.—113, 129.
Livingston, Mont.—119.
Lock Haven, Pa.—15.
Logan, O.—49.
Logan, U. T.—171.
Logansport, Ind.—131.
London, Eng.—25, 41, 67, 117, 115, 121, 123, 143, 165, 177.
London, Ont.—67, 69.
Long Branch, N. J.—29, 113.
Long Island City, N. Y.—87.
Long Pine, Neb.—43.
Longview, Tex.—65.
Longwood, Fla.—123.
Lorain, O.—47.
Lordsburg, N. Mex.—3.
Los Almos, Cal.—143.
Los Angeles, Cal.—33, 33, 87, 159, 161.
Louisiana, Mo.—31.
Louisville, Ky.—13, 33, 63, 81, 87, 89, 91, 99, 107, 109, 123, 131, 135, 143, 159, 167, 169, 173, 174.
Lowell, Mass.—19, 103.
Ludington, Mich.—63, 81.
Ludlow, Ky.—143.
Luray, Va.—157.
Lynchburg, Va.—117, 145, 147.
Lyndonville, Vt.—49, 105, 178.
Lyon Mountain, N. Y.—31.

Machias, Me.—177.
Macon, Ga.—27, 39, 51, 59.
Madison, Wis.—41, 42.
Magog, Que.—175.
Mahanoy Plane, Pa.—137.
Malone, N. Y.—29.
Malvern, Ark.—71.
Manchester, Conn.—115.
Manchester, Ia.—75.
Manchester, N. H.—49, 141, 177.
Mandan, Dak.—119.
Manhattan Beach, N. Y.—87.
Manistee, Mich.—21, 71.
Manitowoc, Wis.—95.
Mankato, Miss.—43.
Mansfield, O.—113.
Marengo, Ind.—87.
Maricopa, Ariz. Terr.—159.
Marianna, Fla.—89.
Marietta Ga.—91.
Marietta, O.—91.
Marion, Ala.—45.
Marion, Ia.—27, 39, 41.
Marion, Ill.—151.
Marion, O.—13.
Marlow, Ga.—27.
Marquette, Kan.—99.
Marquette, Mich.—57, 91, 93.
Marshall, Minn.—41.
Marshall, Tex.—93, 101, 165, 167.
Marshalltown, Ia.—27, 42, 97.
Martin, Miss.—107
Martinsburg, W. Va.—11.
Marysville, Cal.—117, 159.
Marysville, N. B.—119.
Marysville, Pa.—133.
Maryville, Tenn.—147.
Mason City, Ia.—39, 41, 93.
Matawan, N. J.—65.
Matteawan, N. Y.—107.
Mattoon, Ill.—15, 61.
Mauch Chunk, Pa.—29, 85, 93, 105.
Maxwell, Cal.—159.
Mazomanie, Wis.—41.
McAdam Junction, N. B.—107.
McComb, Miss.—75.
McCook, Neb.—35.
McGregor, Ia.—41.
Meadows, N. J.—127.
Meadville, Pa.—93, 113.
Mechanicsville, N. Y.—17.
Media, Pa.—133.
Medford, Wis.—178.
Medicine Hat, N. W. T.—25.
Medina, O.—89.
Memphis, Tenn.—3, 59, 75, 79, 81, 87, 89, 91, 93, 97, 111, 141, 151.
Menasha, Wis.—178.
Menominee, Mich.—77.
Merced, Cal.—159.
Mercer, Pa.—157.
Meriden, Conn.—93.
Meridian, Miss.—71, 43, 103.
Mexico, Miss.—33.
Middleburg, N. Y.—95.
Middletown, Conn.—71, 117.
Middletown, N. Y.—115, 117, 139, 167.
Middleville, N. Y.—71.
Midland, Mo.—31.
Midway, Ky.—173.
Milbank, Dak.—39, 41.
Miles City, Mont.—41, 43, 178.
Milford, Mass.—95.
Milnes, Va.—157.
Milltown, Me.—149.
Miltown, Pa.—177.
Milwaukee, Wis.—5, 35, 39, 41, 42, M69, 95, 119, 153, 174, 177, 178.
ine Hill, N. J.—63.
Minneapolis, Minn.—5, 33, 39, 41, M43, 95, 97, 119, 153, 178.
inot, Dak.—153.
Missoula, Mont.—119.
Missouri Valley, Ia.—42.
Mitchell, Dak.—41.
Mitchell, Ind.—121.
Moberley, Mo.—99, 174.
Mobile, Ala.—71, 87, 89, 103.
Moira, N. Y.—117.
Mojare, Cal.—161.
Momence, Ill.—37.
Moncton, N. B.—23, 153.
Monmouth, Ill —27, 135.
Monon, Ind.—89.
Monroe, Mich.—63, 83.
Monroe, La.—143.
Monroe, Wis.—41.
Monroeton, Pa.—85.
Monson, Me.—103
Mont Alto, Pa.—103.
Monfort, Wis.—42.
Montgomery, Ala.—45, 87, 89, 105, 133, 145, 161, 167.
Monticello, Ia.—41.
Montpelier, Ida.—171.
Montpelier, Vt.—105.
Montreal, Que.—9, 23, 25, 29, 41, 51, 67, 69, 77, 91, 105, 119, 139, 163, 169, 178.
Montrose, Pa.—105.
Montville, Conn.—29.
Morganton, N. C.—147.
Morristown, N. Y.—63.
Morton, Minn.—97.
Mottville, N. Y.—157.
Mount Carbon, Ill.—67.
Mount Carmel, Ill.—23, 87.
Mount Clare, Baltimore, Md.—11.
Mount Savage, Md.—51.
Mount Sterling, Ky.—81.
Mount Vernon, Ill.—87, 89.
Mount Vernon, O.—47.
Muncie, Ind.—83.
Muscatine, Ia.—23.
Muskegon, Mich.—44, 105, 125, 175.
Muskogee, Ind. Terr.—101.
Myrtle Creek, Ore.—123.

Nantucket, Mass.—105.
Napanee, Ont.—105.
National City, Cal.—23.
Natural Bridge, Va.—121.
Nashua, N. H.—19.
Nashville, Tenn.—87, 89, 107.
Natchez, Miss.—107.
Nazareth, Pa.—13.
Nebraska City, Neb.—35.
Needles, Cal.—9.
Needham, Mass.—115.
Neenah, Wis.—178.
Neodesha, Kan.—153.
Nevada, Mo.—99.
New Albany, Ind.—87, 89.
Newark, N. J.—127, 129.
Newark, N. Y.—111.
Newark, O.—9, 11, 177.
New Berne, N. C.—9.
New Bedford, Mass.—63, 121.
Newberry, N. C.—145.
New Brunswick, N. J.—81.
Newburg, N. Y.—85.
New Castle, N. B.—23.
New Castle, Pa.—21, 109.
New Durham, N. Y.—111.
New Gallilee, Pa.—139.
New Haven, Conn.—71, 109, 115.
New Lisbon, O.—139.
New London, Conn.—29.
New London, Wis.—69.
New Orleans, La.—3, 35, 73, 75, 79, 87, 89, 91, 101, 109, 111, 139, 143, 145, 159, 161, 163, 165, 167.
Newport, Ark.—101.
Newport, N. Y.—71.
Newport, R. I.—109.
New Richmond, Wis.—43.
Newton, Ia.—77.
Newton, Kan.—5.
Newton, Mass.—115.
New York, N. Y.—1, 3, 5, 7, 9, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 39, 41, 42, 43, 44, 45, 47, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 178.
Nickerson, Kan.—5.
Niles, Mich.—45, 95.
Noblesville, Ind.—95.
Nora Springs, Ia.—21.
Norfolk, Neb.—43.
Norfolk, Va.—9, 93, 117, 135.
Norridgewock, Me.—159.
Norristown, Pa.—113, 137.
North Adams, Mass.—63.
North Anson, Me.—159.
North Platte, Neb.—171.
North Bay, Ont.—25.

North Bennington, Vt.—17.
Norwalk, Conn.—73.
Norwalk, O.—83.
Norwich, Conn.—115.
Norwich, N. Y.—115, 117.
Norwood Central, Mass.—115.
Nottoway, Va.—117.

Oakland, Cal.—159.
Oakland Pier, Cal.—159.
Oakland, Me.—149, 159.
Oak Park, Ill.—42.
Oakwood Junction, Mo.—151.
Ocala, Fla.—157.
Ogden, Utah.—55, 159, 161, 171, 173.
Ogdensburg, N. Y.—29, 149.
Oil City, Pa.—21, 103.
Olathe, Kan.—79.
Olean, N. Y.—21, 51.
Oldtown, Me.—13.
Olney, Ill.—43, 121.
Oliver Springs, Tenn.—174.
Olympia, Wash. Terr.—121.
Omaha, Neb.—35, 41, 42, 43, 99, 169, 171, 173, 174.
Oneonta, N. Y.—53.
Opelika, Ala.—57.
Orange, N. J.—93.
Orange City, Fla.—17.
Orbisonia, Pa.—59
Orlando, Fla.—165.
Ormsby, Pa.—125.
Osawatomie, Kan.—99.
Oscaloosa, Ia.—207.
Osceola, Ia.—57.
Oswego, N. Y.—21, 53, 147, 149.
Oshkosh, Wis.—42.
Ottawa, Kan.—5, 99.
Ottawa, Ont.—23, 25.
Ottumwa, Ia.—33.
Owensboro, Ky.—123.
Oxford Junction, Ia.—39, 41.
Oxford, N. C.—123.
Oxford, Pa.—125, 133.

Pacific, Mo.—99.
Pacific Junction, Ia.—35.
Packerton, Pa.—85.
Paducah, Ky.—109.
Painesville, O.—139.
Palatka, Fla.—63, 149.
Palestine, Ill.—77.
Palestine, Tex.—101, 103.
Palisade, Nev.—61.
Palmer, Mass.—29.
Palmyra Junction, Mo.—37.
Pana, Ill.—121.
Paris, Ill.—165
Paris, Tenn.—89.
Parkersburg, W. Va.—11, 85, 121.
Parrsboro, N. S.—51.
Parsons, Kan.—99, 101, 125.
Paterson, N. J.—105.
Paulsboro, N. J.—55.
Paw Paw, Mich.—125.
Pawtucket, R. I.—105.
Peach Bottom, Pa.—178.
Peach Spring, Ariz.—9.
Peacedale, R. I.—107.
Pearsall, Tex.—103.
Pedricktown, N. J.—55.
Pemberton, Mass.—105.
Pendleton, O.—131.
Penn Station, Pa.—178.
Pennsburg, Pa.—137.
Pennsboro, W. Va.—125.
Pensacola, Fla.—87, 89, 135.
Peoria, Ill.—27, 35, 61, 135, 147, 167, 174.
Perkiomen, Pa.—137.
Perry, Ia.—41.
Perth Amboy, N. J.—85.
Peru, Ind.—83, 174.
Peterborough, Ont.—69.
Petersburg, Va.—7, 117.
Petitcodiac, N. B.—59, 61, 153.
Philadelphia, Pa.—1, 3, 5, 7, 9, 11, 15, 19, 21, 23, 27, 29, 49, 53, 57, 59, 61, 67, 71, 73, 77, 81, 85, 113, 115, 117, 119, 121, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 169, 175, 177, 178.
Phillipi, W. Va.—67.
Phillips, Me.—155.
Phillipsburg, N. J.—113.
Phillipstown, Pa.—125.
Piedmont, Mo.—101.
Piedmont, W. Va.—11, 137, 175.
Pierce City, Mo.—153.
Pierre, Dak.—42.
Pinckneyville, Ill.—151.
Pine Bluff, Ark.—137, 151.
Pine Grove, Pa.—137.
Pine Grove Furnace, Pa.—67.
Pipestone, Minn.—41.
Pittsburgh, Pa.—1, 9, 11, 35, 41, 42, 45, 47, 51, 59, 75, 83, 85, 99, 105, 107, 125, 127, 129, 131, 137, 159, 167, 169, 173, 174, 177, 178.
Pittsfield, Me.—157.
Plattsburg, N. Y.—31, 51.
Plattsmouth, Neb.—35.
Pleasant Hill, Mo.—99.
Pleasant Valley, Utah.—35
Pleasant Valley Junction, Utah.—55.
Plymouth, N. H.—177.
Pocatello, Ida. Terr.—171.
Pocomoke City, Md.—135
Point St. Charles, Que.—69.
Point Isabel, Tex.—147.
Poland, N. Y.—71.
Pompton Junction, N. J.—113.
Pontiac, Ill.—75.
Pontiac, Mich.—139.
Poplar Bluffs, Mo.—101.
Portage, Wis.—41.
Portage la Prairie, Man.—91.
Port Arthur, Ont.—28.
Port Edward, Ont.—67.
Port Henry, N. Y.—81.
Port Hope, Ont.—69.
Port Huron, Mich.—105, 139.
Port Jervis, N. Y.—113, 139.
Portland, Me.—3, 67, 69, 91, 139, 141, 149.
Portland, Ore.—33, 41, 42, 43, 119, 123.
Portland, Pa.—13.
Port Oram, N. J.—105.
Portsmouth, Va.—155.
Portsmouth, Ore.—3, 155.
Pottsville, Pa.—135, 137.
Poughkeepsie, N. Y.—81, 111, 113.
Prairie du Chien, Wis.—41.
Pratt Mines, Ala.—141.
Prescott, Ariz.—141.
Princeton, Ind.—87.
Princetown, N. C.—145.
Profile House, N. H.—141.
Promontory, Utah.—159.
Providence, R. I.—19, 109, 115, 117, 141.
Pueblo, Col.—55.
Punxsutawney, Pa.—21.
Putnam, Conn.—115.

Quebec, Que.—9, 25, 141, 143.
Quincy, Ill.—35, 143, 169, 174.

Racine, Wis.—39, 41.
Raleigh, N. C.—145, 155, 157.
Raton, N. M.—5.
Ravenal, S. C.—139.
Rawlins, Wyo.—171.
Reading, Pa.—127, 135, 137, 143.
Readsboro, Vt.—71.
Red Bank, N. J.—113.
Red Bluff, Cal.—161.
Red Cloud, Neb.—35.
Redding, Cal.—159.
Redfield, Dak.—42.
Red Oak, Ia.—33.
Red Wing, Minn.—41.
Reece, Kan.—103.
Renfroe, Ala.—165.
Reno, Nev.—107.
Renova, Pa.—127.
Republican, Neb.—35.
Reynoldsville, Pa.—1.
Rhinecliff, N. Y.—71.
Richford, Vt.—163.
Richibucto, N. B.—81.
Richmond, Can.—69.
Richmond, Ind.—131.
Richmond, Va.—7, 19, 81, 109, 143, 145, 147, 155, 157.
Ridgeland, S. C.—139.
Ridgway, Pa.—113.
Ripley, Miss.—69, 71, 157.
Riverside, Ia.—21.
Riviere du Loup, Que.—23.
Roanoke, Va.—117, 157.
Robinson, Que.—77.
Rochelle, Fla.—63.
Rochelle, Ill.—35.
Rochester, N. H.—141.
Rochester, N. Y.—21, 111, 113, 147, 157.
Rockaway, N. J.—71.
Rockaway Beach, N. Y.—117.
Rockford, Ill.—41.
Rock Island, Ill.—33, 35, 103, 147.
Rockland, Mass.—71.
Rockland, Me.—17, 81.
Roçklin, Cal.—159.
Rockport, Me.—147.
Rockville, R. I.—178.
Rockwood, Tenn.—147.
Rocky Mount, N. C.—7.
Rodney, Mich.—93.
Rogers, Ark.—153.
Rogersville, Tenn.—165.
Rolla, Mo.—153.
Rome, Ga.—147.
Rondout, N. Y.—165, 169.
Roodhouse, Ill.—33.
Rosebury, Ore.—123.
Rowland, Ky.—89.
Roxbury Sta., Conn.—157.
Roxbury, Mass.—19.
Russellville, Ky.—89, 123.
Rutland, Vt.—17, 29.

Sac City, Ia.—42.
Sackville, N. B.—107.
Sacramento, Cal.—61, 155, 159, 161, 174.
Saginaw, Mich.—87, 95, 167.
Salem, Mass.—19, 155.
Salem, N. Y.—53.
Salida, Col.—55
Salina, Kan.—99.
Salisbury, Md.—165.
Salisbury, N. C.—147.
Salt Lake City, Utah.—23, 41, 42, 55, 155, 167, 171, 173, 174.
San Antonio, Tex.—99, 103, 155, 161,
San Bernardino, Cal.—23.
Sanborn, Ia.—41.
Sandersville, Ga.—155.
San Diego, Cal.—23.
Sandusky, O.—11, 75, 83.
Sandy Hook, Md.—11.
Sanford, Fla.—137.
San Francisco, Cal.—5, 9, 17, 23, 33, 35, 37, 41, 42, 55, 61, 93, 95, 99, 113, 117, 123, 137, 153, 155, 159, 161, 163, 167, 169, 173, 174.
San Gorgonia, Cal.—159.
San José, Cal.—155, 161.
San Luis Obispo, Cal.—123.
San Marcial, N. M.—5.
San Rafael, Cal.—117, 155.
Santa Fé, N. M.—167.
Santa Rosa, Cal.—155.
Saratoga Spa, N. Y.—155.
Saratoga Springs, N. Y.—1.
Sardinia, N. Y.—163.
Sardis, Tenn.—97.
Sarnia, Ont.—61.
Saucelito, Cal.—117.
Savanna, Ill.—33.
Savannah, Ga.—27, 29, 47, 65, 139.
Savannah, I. T.—99.
Saxton, Pa.—73.
Sayre, Pa.—85.
Saylesville, R. I.—105.
Schenectady, N. Y.—35, 111.
Schoharie, N. Y.—155.
Schrieber, Ont.—25.

Scottdale, Pa.—69.
Scottsville, N. Y.—71.
Scranton, Pa.—39, 53.
Scribner, Neb.—42.
Seattle, Wash. Terr.—123, 119.
Sedalia, Mo.—81, 99, 101, 103, 151.
Selma, Ala.—17, 59, 175.
Seymour, Ind.—121.
Sharpsville, Pa.—11.
Sheffield, Ala.—157.
Sheffield, Pa.—167.
Shelby Iron-Works, Ala.—157.
Shelby, O.—15.
Shenandoah, Ia.—73.
Shenango, Pa.—157.
Shepherdstown, W. Va.—157.
Sherbrooke, Que.—77, 141.
Shreveport, La.—73.
Shrewsbury, Pa.—163.
Shoe Heel, N. C.—155.
Shoshone, Ida. Terr.—171.
Sibley, Ia.—21.
Sioux City, Ia.—41, 42, 43.
Sioux Falls, Dak.—43.
Silver Bow, Mont.—171.
Skaneateles, N. Y.—157, 159.
Slater, Mo.—31.
Sleepy Eye Lake, Minn.—42.
Slocum Junction, Mich.—95.
Society Hill S. C.—7.
Socorro, N. M.—5.
Somerset, Ky.—143.
Sorel, Que.—105.
South Amboy, N. J.—127.
South Argyle, N. Y.—69.
South Chicago, Ill.—11.
South Easton, Pa.—85.
Southfield, N. Y.—163.
South Framingham, Mass.—175.
South Hanover, Mass.—71.
South Manchester, Conn.—163.
South Norwalk, Conn.—73.
South Pueblo, Kan.—153.
Spartanburg, S. C.—145.
Sparta, Ill.—103, 151.
Sprague, Wash. Terr.—119.
Spring City, Tenn.—165.
Springville, N. Y.—21, 163.
Springfield, Ill.—31, 75, 121, 151, 153, 174.
Springfield, Mo.—79.
Springfield, Mass.—17, 29, 49, 178.
Springfield, O.—15, 75, 77.
Spring Hill, W. Va.—79.
Spring Hill, N. S.—51.
Spring Hill Mines, N. S.—51.
St. Albans, Vt.—29, 97.
St. Augustine, Fla.—149.
St. Clairsville, O.—15.
St. Cloud, Minn.—153.
St. Flavie, Que.—23.
St. George, N. B.—67.
St. Helen, Mich.—149.
St. John, N. B.—1, 23, 107.
St. John's, N'f'd.—109.
St. Johns, Que.—29, 175.
St. Johnsbury, Vt.—17, 19, 85.
St. Joseph, Mo.—35, 37, 149, 174.
St. Louis, Mo.—5, 13, 15, 25, 31, 35, 51, 55, 59, 61, 67, 73, 75, 79, 89, 91, 97, 99, 101, 103, 119, 121, 143, 151, 153, 155, 165, 167, 169, 173, 177, 178.
St. Paul, Minn.—17, 27, 33, 39, 41, 43, 57, 95, 97, 119, 153, 178.
St. Martine, N. B.—153.
St. Raymond, Que.—143.
St. Regis Falls, N. Y.—117.
St. Stephens, N. B.—67, 149.
St. Thomas, Ont.—93, 95.
Stamford, Conn.—117.
Stanberry, Mo.—51.
Stanford, Ky.—89.
Stauffer Station, Pa.—69.
Starkville, Miss.—3.
Staunton, Ill.—71.
Staunton, Va.—11.
Sterling, Col.—171.
Stevens Point, Wis.—173.
Stewartstown, Pa.—163.
Stirling, Ill.—43.
Stirling, O.—47.
Stockbridge, Mass.—113, 115.
Stockton, Cal.—159, 161.
Stonington, Conn.—115, 117.
Stony Island, Ill.—113.
Stratford, Ont.—67, 69.
Streator, Ill.—143.
Strong, Me.—65.
Stuckley, Que.—175.
Stuart, Ia.—43.
Suisun, Cal.—159.
Suffolk, Va.—165.
Sullivan, Ind.—77.
Summit, N. Y.—69.
Sumner, Cal.—159, 161.
Sumter, S. C.—9.
Sunbury, Pa.—127, 133.
Superior, Wis.—119.
Sutton, Que.—163.
Suspension Bridge, N. Y.—111, 149.
Susquehanna, N. Y.—113.
Sydney, Neb.—171.
Sydney, N. S. W.—42.
Sylvania, Ga.—29.
Syracuse, N. Y.—39, 53, 55, 111, 165, 174.

Tacoma, Wash. Terr.—119, 121.
Talbotton, Ga.—165.
Taylor, Tex.—103.
Talladega, Ala.—165.
Tallahassee, Fla.—63.
Tawas City, Mich.—57.
Temple Junction, Tex.—99.
Tenafly, N. Y.—111.
Tennille, Ga.—27.
Terre Haute, Ind.—15, 39, 173.
Texarkana, Ark.—101, 151, 167.
Thayer, Mo.—79.
The Dalles, Ore.—123.
Tiffin, O.—11.
Titusville, Pa.—19.
Tocoi, Fla.—149.
Toledo, O.—44, 45, 83, 131, 167, 174, 177.
Tomah, Wis.—41.
Topeka, Kan.—5, 7, 9, 23, 79, 171.
Toronto, Can.—103, 174.
Toronto, Ont.—23, 25, 35, 41, 42, 61, 67, 69, 77, 93, 105, 117, 119, 153.
Torrens, Pa.—125.
Towanda, Pa.—85, 113.
Tracy, Minn.—42.
Trenton, Mo.—43.
Trenton, N. J.—125, 127.
Trenton Ont.—27.
Trinidad, Col.—5.
Trinity, Tex.—103.
Troupe, Tex.—103.
Troy, N. Y.—169.
Truckee, Cal.—159.
Truro, N. S.—23.
Tryon, N. C.—145.
Tuckerton, N. J.—169.
Tucson, Ariz.—3, 159, 161.
Tulare, Cal.—159, 161.
Tunkhannock, Pa.—85, 105.
Tupelo, Miss.—79.
Turner, Ill.—42.
Tuscaloosa, Ala.—79.
Two Harbors, Minn.—57.
Tyler, Tex.—65, 81, 151.
Tyrone, Pa.—125, 127.

Union, Ind.—15.
Union Bridge, Md.—175.
Urbana, Ill.—75.
Urbana, O.—45.
Urbana, Wis.—75.
Utica, N. Y.—53, 111, 149.

Vacaville, Cal.—173.
Vallejo Cal.—161.
Valley Falls, R. I.—141.
Valparaiso, Ind.—113.
Van Buren, Ark.—3.
Vancouver, B. C.—25.
Van Wert, O.—45.
Venice, Ill.—31.
Verbena, Ala.—89.
Verona, Pa.—1.
Versailles, Ky.—173.
Vicksburg, Miss.—11, 91, 143.
Victoria, B. C.—25.
Victoria, Tex.—161.
Vidalia, La.—107.
Vincennes, Ind.—121.
Vincent, O.—91.
Vinita, I. T.—153.
Virginia, Nev.—173.
Visalia, Cal.—174.
Volcano, W. Va.—83.

Wabash, Ind.—45.
Wabasha, Minn.—41.
Waco, Tex.—73, 151.
Wadley, Ga.—91.
Wadsworth, Nev.—159.
Waldoboro, Me.—81.
Wales, U. T.—155.
Walla Walla, Wash. Terr.—123.
Wallula Junction, Wash. Terr.—123.
Wamego, Kan.—171.
Warren, O.—11, 113.
Warren, Pa.—21, 175.
Warwick, N. Y.—85.
Waseca, Minn.—42, 97.
Washington, Ark.—3.
Washington, D. C.—7, 11, 117, 129, 133, 145, 153.
Washington, Ia.—43.
Washington, Mo.—99.
Washington, N. J.—53.
Washington, R. I.—115.
Waterbury, Conn.—107.
Waterloo, Ia.—75.
Watersmeet, Mich.—95.
Watertown, Dak.—21, 42.
Watertown, N. Y.—147, 149.
Watertown, Wis.—41.
Waterville, Me.—91.
Waterville, Minn.—97.
Walnut Bridge, Ark.—101.
Water Valley, Miss.—73.
Waterville, N. Y.—53.
Watkins, N. Y.—61, 63.
Watsontown, Pa.—177.
Waukesha, Wis.—41, 178.
Waverley, Ia.—97.
Waverley, Va.—9.
Waycross, Ga.—139.
Waynesburg, Pa.—13.
Weatherly, Pa.—85.
Webster City, Ia.—3.
Weehawken, N. J.—111, 115, 117, 174.
Wells, Minn.—39, 41.
Wells, Nev.—159.
Wellsboro, Pa.—61, 63.
Wellsville, N. Y.—19.
Wellsville, O. 131.
West Albany, N. Y.—111.
West Bay City, Mich.—95.
West Brookfield, Mass.—17.
Westfield, Mass.—17, 109.
West Liberty, Ia.—41.
West Milwaukee, Wis.—39, 41.
Weston, W. Va.—47, 177.
West Philadelphia, Pa.—125, 127, 129.
West Point, Va.—165.
West Winsted, Conn.—71.
Westwood, N. J.—109.
Wheeling, W. Va.—11, 177.
Whistler, Ala.—103.
White Cloud, Mich.—44.
Whitefield, N. H.—177.
White Plains, N. Y.—111.
Whitesboro, Tex.—99.
Whitneyville, Me.—177.
Wichita, Kan.—5, 7, 55, 81, 99, 103, 153.
Wickford, R. I.—109.
Wilders, Ky.—87.
Wilkesbarre, Pa.—85.
Williams, Ariz.—9.
Williamstown, N. J.—23.
Willis, Tex.—103.
Williamsport, Pa.—41, 127, 129, 131, 133.

Willimantic, Conn.—115.
Wilmington, Del.—133, 177.
Wilmington, Md.—11.
Wilmington, N. C.—7, 9, 65, 155, 177.
Wilton, N. H.—103.
Winchester, Va.—11.
Wind Gap, Pa.—85.
Winfield, Kan.—153.
Winifrede, W. Va.—177.
Winnemacca, Nev.—159.
Winnipeg, Man.—95, 91.
Winona, Minn.—39, 41, 42.
Winslow, Ariz.—9.
Winters, Cal.—173.
Wolfboro Junction, N. H.—19.
Woodbridge, Cal.—155.
Woodbury, N. J.—155.
Woodsfield, O.—15.
Woodstock, N. B.—107.
Woodstock, Vt.—178.
Woodsville, N. H.—17, 19.
Woonsocket, R. I.—115, 141.
Worcester, Mass.—19, 63, 115, 178.
Worthington, Minn.—43.
Wortendyke, N. J.—117.
Wyandotte, Kan.—81.
Wymore, Neb.—35.
Wytheville, Va.—117.

Yankton, Dak.—39, 41.
Yarmouth, N. S.—175.
York, Pa.—125, 127, 133, 178.
York Springs, Pa.—163.
Yorkville, S. C.—145.
Yosemite, Ky.—44.
Youngstown, O.—11, 83, 113, 137, 157.

Zanesville, O.—15, 45, 105, 131, 178.

FOREIGN RAILWAYS.

(20) List of the Railways and Tramways of Mexico, Central and South America, with their Officers, Mileage, Cost, Earnings, etc., etc.

ARGENTINE REPUBLIC.

Andine RR.—Villa Maria to San Juan, *via* Villa Mercedes and Mendoza, 767 kilo. (480 miles). Built by the Federal Government of the Argentine Republic. Construction begun in 1870; opened (Rio Cuarto Section) 82 miles in 1873; 76 miles in 1875; 59 miles in 1880; 75 miles in 1883; 80 miles in 1884, and 108 miles, to San Juan, in 1885. Total cost about £3,000,000. Gauge, 5 ft. 6 in. Locomotive engines, 50. Cars—passenger, 65; baggage, 15; freight, 600. Passengers, 1884, 35,382; 1885, 97,607. Tons freight, 1884, 125,327; 1885, 144,962. Gross earnings, 1884, $645,000; 1885, $1,006,000. Net earnings, 1884, $311,000; 1885, $479,000. The intention in building this road is to form a connection through the Uspalata Pass in the Andes with the Chilian line running to Valparaiso, thus forming a through interoceanic route. (See Buenos Ayres and Valparaiso Transandine Ry.) During the past year all of this line, except from Villa Maria to Villa Mercedes, was sold to Messrs. J. E. & M. Clarke, Contractors, of London and Buenos Ayres. Señor Guillermo Villaneuva, *General Manager and Chief Engineer* (Government Portion), Villa Maria, Argentine.

Anglo-Argentine Tramways Co. (Limited).—Tramway lines in the City of Buenos Ayres, 27 miles—22 steel, 5 iron. Horses, 666; cars, 115. Gauge, 4 ft. 8½ in. Rail (steel), 42 lbs. British corporation registered December 21, 1877. Capital, £366,000. Net earnings average about 8 per cent. on capital. Passengers carried average about 450,000 per month. J. B. Wanklyn, *Managing Director;* J. B. Mackinlay, *Secretary;* H. F. Gunning, *General Manager;* F. W. Holtum, *Traffic Superintendent;* Nicolas Fitzgerald, *Master Car Builder;* Louis Streim, *Secretary*, 4 Copthall Buildings, Throgmorton Street, London, E. C. Principal Local Office, Rivadavia, 1569 Buenos Ayres, A. R.

Boca and Barracas Tramway of Buenos Ayres.—Tramway lines in the city of Buenos Ayres and to Boca and Barracas, 4 miles south-east, 13,509 kilo. Gauge, 4 ft. 8½ in. Rail (steel, 6 kilo.), 40 lbs. Cars, 10. Horses, 300. Passengers carried average 150,000 per month. General Office, Buenos Ayres.

Buenos Ayres and Belgrano Tramways Co. (Limited).—Tramway line in city of Buenos Ayres, from the Plaza Victoria through Florida and Charcas streets and Santa Fé Avenue to suburb of Belgrano, with branch to Palermo Park—total length, 13 miles. Gauge, 4 ft. 8½ in. Rail (steel), 40 lbs. Cars, 56. Horses, 420. British Corporation. Capital, £377,500. Earnings—1883, gross, $249,765; net, $143,210; 1884, gross, $264,392; net, $150,954; 1885 (7 months), gross, $164,159; net, $93,548. Passengers carried average about 270,000 per month. J. B. Wanklyn, *Managing Director*, Buenos Ayres; Robert Burns, *Traffic Manager*, 901 Santa Fé, Buenos Ayres, A. R.; James Anderson, *Secretary*, 61 Moorgate Street, London, E. C.

Buenos Ayres and Ensenada Port Railway.—*Line of Road:* Buenos Ayres to Port of Ensenada (Province of Buenos Ayres), 20 kilo. A British company incorporated under the "Companies Acts, 1862 and 1867." Entire line completed and opened January 1, 1873. Capital stock (common, £350,000; preferred, £350,000), £700,000; debenture stock, £89,010—total, £789,010. Cost of road, etc., £796,178. Rolling stock consists of 8 locomotives, 19 passenger cars, and 180 freight cars. Gross earnings, about $10,000 per mile. Arthur E. Shaw, *General Manager*, Buenos Ayres; John Wilson Theobald, *Secretary*, 8 Draper's Gardens, London, E. C.

Buenos Ayres and Valparaiso Transandine Ry. Co. (Limited). Organized during the past year to build an extension of the Andine RR. from Mendoza to the Chilian line, a distance of 195 kilo. Line now under construction. Total capital, £1,191,000. Government guarantee of 7 per cent. for 20 years. Morton, Rose & Co., Financial agents, London, E. C.

Buenos Ayres Great Southern Ry. (Limited). *Lines of Road completed:* Buenos Ayres to Bahia Blanca, 445.25 miles; Altamarino to Tres Arroyos, 300.25 miles; Maipu to Mar del Plata, 80 miles—total, 825.50 miles. 2d track, etc., 13.50 miles. Gauge, 5 ft. 6 in. Rail (steel), 58 lbs. Sharpest curve, about 300 metres; maximum total curvature, 4.559 degrees 15 minutes. Maximum grade, ascending, 58/10 ft.; descending, 26⅝ ft. Locomotive engines, 85; Beyer and Peacock (English), tank and tender; cylinder, 18 in.; stroke, 24 in.; wheels, 8; 6 wheels coupled; diameter of driving wheels, 5 ft. 1 in. Cars—passenger (4, 6 and 8, 27 to 60 ft.), 185; baggage, etc., 80 (4 wheel, 25 ft.); freight (1,570 box, 4 wheel, 25 ft.; 12,000 lbs. capacity and 1,400 lbs. weight; 970 flat, 4 wheel, 25 ft.), 2,540. British company incorporated under "The Companies Act, 1862." Opened first section road August 14, 1865. Capital stock, £7,600,000 in three classes of stocks. Gross earnings, year ending June 30, 1885, $887,479; net, £425,802. Frank Parish, *Chairman Board Directors*, 5 Gloucester Square, London, W.; John Coghlan, *Chairman Local Committee*, Buenos Ayres; Charles O. Barker, *Secretary and Purchasing Agent*, 7 Finsbury Circus, London, E. C.; Sam. Abbott, *General Manager;* Wm. Marr Bell, *Traffic Superintendent;* H. G. Sketchley, *Chief Engineer;* W. H. Scott, *Locomotive and Car Superintendent;* W. C. Huxtable, *Accountant*. General Offices, 7 Finsbury Circus, London, E. C., and Plaza Constitucion, Buenos Ayres, A. R.

Buenos Ayres Northern Ry. (Limited).—*Line of Road:* Buenos Ayres to San Fernando, 20 miles. British company incorporated under "Joint Stock Companies Acts, 1856 and 1867." The Provincial Government of Buenos Ayres guaranteed for twenty years from opening of line 7 per cent. per annum on £150,000. Capital, £540,337 in six classes of stocks and bonds. Total cost of road, £509,355. Arthur E. Shaw, *General Manager and Chief Engineer*, Buenos Ayres; John W. Theobald, *Secretary*, 8 Draper's Garden, London, E. C.

Buenos Ayres and Pacific Ry. (Limited).—*Line of Road:* Mercedes, Province of Buenos Ayres, to Villa Mercedes, Province of San Luis, 578 kilo. Construction begun in July, 1882; tracklaying begun in May, 1883; road opened from Mercedes to Chacabuco, 96 kilo., March 1, 1885; from Chacabuco to Orellanos, 157 kilo., February 15, 1886, from Orellanos to Villa Mercedes, 323 kilo., March 6, 1886. Gauge, 5 ft. 6 in.

Rail (steel), 56 lbs. This line forms the most important link in the transandine interoceanic railway route, connecting at Villa Mercedes with the National Andine Ry., and at Mercedes with the Western of Buenos Ayres. The total length of this route between Buenos Ayres and Valparaiso is 870 miles, against about 2,500 by water. During 1886 this company purchased of Messrs. J. E. & M. Clarke the concession owned by them for the construction of a line from Mercedes to the City of Buenos Ayres, 108 kilo., and has placed the line under contract with Messrs. Clarke for completion during 1887. Additional capital provided, £604,800, on which the National Government guarantees for 20 years interest at 5 per cent. Locomotive engines, 10; cars, 250. The Federal Government guarantees for 20 years 7 per cent. annual interest on securities to the amount of nearly £4,000 per kilo. *Local Board of Directors:* Dr. Lucas Gonzalez, *President;* J. G. Cruikshank, Dr. Eduardo B. Madero and Henry Barker, *Secretaries*, Buenos Ayres; James Cleminson, *Engineer in Chief*, 7 Westminster Chambers, Westminster, S. W., Eng.; J. E. & M. Clarke, *Contractors*, represented by Pretôt Freire in Buenos Ayres; F. O. Smithers, *Secretary*, Dashwood House, New Broad Street, London, E. C.

Buenos Ayres and Rosario Ry. (Limited).—*Line of Road completed:* Buenos Ayres to Campana, 50 miles; extension from Campana to Rosario, 140 miles—total, 190 miles. *Under Construction:* Rosario to Sunchales, 151 miles (75 miles completed in fall of 1886). Gauge, 5 ft. 6 in. Rail (steel), 65 lbs. Locomotives, 34 (Gorton, 50 tons). Cars—passenger, 51 (8 wheel, 58 ft.); baggage and mail, 34 (30 to 58 ft., 6 and 8 wheel); box freight, 1,336 (10 tons, 4 and 6 wheel); platform, 2 (8 wheel). Maximum total curvature, 10 chains. Maximum grade, 1 in 160. A British corporation, organized under the name of Buenos Ayres and Campana Ry. Co.; under which title road was built from Buenos Ayres to Campana and opened April 22, 1876. On this section the Federal Government guarantees a net revenue of £28,000 per annum, on the basis of working expenses being 50 per cent. of receipts. In 1883 present name adopted, capital reconstructed and extension to Rosario begun. Opened February 1, 1886. Total cost of road to December 31, 1885, £3,081,109. Total capital provided, £3,333,000. Earnings—in 1883 (50 miles), gross, £56,322; net, £29,013; 1884 (50 miles), gross, £81,041; net, £38,070. In 1885 (81 miles), gross, £137,363; net, £64,878; half year, January to June, 1886 (173½), gross £148 17s; net, £57,773. John Coghlan, C. E., *Representative of Company;* Thomas C Clarke, C. E., *Engineer and Manager;* J. F. Carlyle, *Locomotive Superintendent*. Office in Buenos Ayres, 205 Calle Piedad. Frank Parish, *Chairman Board Directors;* J. B. Davidson, *Secretary*. Office in London, 2 Coleman Street.

Central Argentine Ry. (Limited).—*Line of Road:* Rosario to Córdoba, 246.56 miles. Gauge, 5 ft. 6 in. Rail (steel, 176 miles), 56 to 65 lbs. Locomotive engines, 34. Cars—passenger-train, 35; freight-train, 530; other, 10—total, 575. British corporation organized in 1864. Construction begun 1865; whole road opened in 1870. Total cost, $1,990,139. Capital (four classes), $2,325,000. Gross earnings, 1884, £539,025; net, £315,476. Surplus for 1885, £162,600; dividend, 10 per cent. George Woolcott, *Secretary*, 85 Palmerston Buildings, Bishopsgate Street, London, E. C.; Nicholas I. Bouwer, *Representative* in Buenos Ayres; Henry Fisher, *General Manager;* Malcolm Graham, *Resident Engineer;* Charles Knight, *Accountant;* Wm. Robinson, *Traffic Superintendent*, Wm. O. Lucas, *Locomotive Superintendent*, Rosario de Santa Fé.

Central Tramway of Buenos Ayres.—Tramway lines in the city of Buenos Ayres, 25.287 kilo. Guage, 4 ft. 8½ in. Rail (steel), 40 lbs. Cars, 32. Horses, 536. Passengers carried average 415,000 per month. GENERAL OFFICE, Buenos Ayres.

City of Buenos Tramways Co. (Limited).—*Tramway Lines in the City of Buenos Ayres*, 32.87 miles; 2d track, 4 miles; rail (steel), 42 lbs; gauge, 4 ft. 8½ in.; cars, 187; horses, 1,256. British corporation registered in 1869. Capital, £516,000. Cost, to December 31, 1885, £378,642. Gross earnings, 1885-86, £197,394; net, £80,839, less loppon exchange, etc., £24,885—balance, £55,954. Passengers carried average about 725,000 per month. B. Isaac, *Chairman Board Directors:* John Heaton, *Secretary*, London; H. W. Ford, *General Manager*, Buenos Ayres. GENERAL OFFICE, 1 Great Winchester Street, London, E. C.

Commercio Tramway.—From Concordia to Suburbs, 3 miles. Gauge, 3 ft. 10 in. Rail, 30 lbs. Cars, 8. Horses, 50. Federico Zoraquir, *General Manager*, Concordia.

East Argentine Ry. (Limited).—Concordia to Monte Cesaros, 96 miles; Monte Cesaros to Celbo Creek, 3 miles. Gauge, 4 ft. 8½ in. Rail (part steel), 56 lbs. Maximum grade (ascending), 1.80 ft. Haudubay wood cross-ties. Locomotives, 11; made by Fox & Walker, Bristol, Eng.; 4 coupled, tank; dia. cylinder, 12 in.; length stroke, 22 in; dia. driving wheels, 4 ft. 6 in.; two driving axles. Fuel, haudubay wood. Average weight locomotives, 67,000 lbs. Cars—passenger, 22 (34 ft., 2 axles); baggage and mail, 4 (22 ft., 4-wheel); box freight, 55 (15 ft., capacity, 22,400 lbs., 8,960 lbs. weight, 4 wheel); platform, 115 (15 ft., 4 wheel). British corporation organized to carry out concession of Argentine Government dated August 13, 1869. Road opened to Monte Cesaros in 1875; to Celbo Creek in 1880. Government guarantee of 7 per cent. on $10,000 per mile of completed road. The line follows the west bank of the Uruguay River. From Celbo Creek the company runs steamers to Uruguayana, Brazil. Total cost to December 31, 1885, £989,331. Gross earnings, year ending June 30, 1886, £54,927; net earnings, £18,656. Oliver Budge, *General Manager and Chief Engineer*, Guellermo Grünwaldt, *Traffic Manager*, Concordia, A. B. Representative in Buenos Ayres, River Plate Trust, Loan and Agency Company. Lawrence J. Baker, *Chairman Board Directors*, London, E. C.; A. B. Templar Powell, *Secretary and Purchasing Agent*, 43 Lathbury, London, E. C.

Entre Rios Central Railway. Parana to Uruguay, 300 kilo. This road extends from the city of Parana to the city of Uruguay (known as Conception del Uruguay) and traverses the entire width of the Province of Entre Rios. The first section of the line to Nogoya, 125 kilo., was to be opened for traffic about the end of 1886, and the remainder in the following year. Capital, £1,530,800, consisting of 1st mortgage 6 per cent. gold coupon bonds, secured by Government guarantee of one half the service of the loan, not exceeding $260,000 per annum, and on the Property tax, etc., of the Province. *Financial Agent*, C. De Murrieta & Co., 7 Adam's Court, Old Broad Street, London.

First Entre-riano Railroad. Gualeguaychú to Puerto Echague, 10 kilo. Gauge, 4 ft. 8½ in. Rail, 42 lbs. Locomotive engines, 2. Cars—passenger, 4; freight, etc., 14. Owned by the Province of Entre Rios. Built in 1878. Cost, $153,639. Gross earnings, $6,834; expenses, $11,848. GENERAL OFFICE, Gualeguaychú, A. R.

Monte Caseros and Corrientes RR. *Line of Road projected:* Monte Caseros to Corrientes. Gauge, 1.435 metres. The Argentine Government guarantees for 20 years 6 per cent. interest on the actual cost of the line, but not to exceed the guarantee of $1,874.78 national money, gold, per kilo. The line is to be completed within five years from the commencement of construction. Concession granted to Messrs. Clark & Co., of Buenos Ayres and London.

Monte Caseros and Posadas RR. *Line of Road projected:* Monte Caseros to Posadas. Gauge, 1.435 metres. The Argentine Government guarantees for 20 years 6 per cent. interest on the actual cost of the line, but not to exceed the guarantee of $1,874.78 national money, gold, per kilo. The line is to be completed within five years from commencement of construction. Concession granted to Messrs. J. E. & M. Clarke, of Buenos Ayres and London.

National Central Northern Ry.—*Main line:* Córdoba to Tucuman, 546 kilo.; branches from Frias to Santiago del Estero, 162 kilo., and Recreo to Chumbricha, 176 kilo.—total, 884 kilo. Gauge, 1 metre. Rail—steel (438 kilom.), 20 kilog. per metre (equal to 40.32 lbs. per yard); iron (446 kilom.), 21 kilog. per metre (equal to 42.34 lbs. per yard). Minimum radius of curvature, 500 metres. Maximum grade, ascending, 14

per cent. Locomotive engines, 79. Cars—passenger (8-wh. 30 ft.), 35; baggage and mail (8-wh. 15 ft.), 15; box (8-wh. 24 ft., aver. capacity, 2,800 lbs., aver. weight, 1,760 lbs.), 475; platform (8-wh. 25 ft.), 360—total cars, 885. Also 60 water tanks, each 6-wh. and 18 ft. long. Of the locomotives, 19 were built by Fox & Walker, Bristol, 12 by Cockerill & Co., of Belgium, 33 by Baldwin, of Philadelphia, and 15 by Beyer, Peacock & Co, of Manchester. All cars built in England. *Description of Locomotives:* Passenger train—24 tons; 2 pairs wheels coupled, 50 in. diameter; bogie; dia. cylinder, 44 inches; stroke piston, 20 inches. Freight train—28 tons; 3 pairs wheels coupled, 40 in. dia.; single bogie; dia. cylinder, 14 in.; stroke piston, 18 in. Freight train—32 tons; 4 pairs wheels coupled, 40 in. dia.; single bogie; dia. cylinder, 16 in.; stroke piston, 20 in. This road was built and is owned by the National Government of the Argentine Republic. The construction of the main line was authorized by act of the National Congress, dated October 12, 1871, and in October, 1872, work was begun under the direction of José Telfener. Road opened between Córdoba and Recreo, in May, 1875, and to Tucuman October 31, 1876. In 1884 the construction of the branch lines was begun, and in 1885 both lines were opened for business. Total cost, $22,000 per mile. This road crosses 300 miles of country in which there is no water. Each freight train includes three water-tank cars, each containing eight tons of water. Fuel used, algarrobo wood (locust-tree), at about $0.80 per cubic metre. *Extension:* From Tucuman this line will be carried northward to Salta and Jujuy, 400 kilo., and ultimately to the Bolivia line, a total distance of about 700 kilo. During 1884 and 1885 work on this extension progressed rapidly, and toward the close of 1885 tracklaying had been completed to a point 215 kilo. north of Tucuman, at a cost of $5,784,513. Gross earnings, main line, 1886, $1,523,042; net, $512,903. Lindoro J. Quinteros, *General Manager;* Diego Chapeaurogue Graham, *Asst. General Manager;* Augustin Gorlier, *Treasurer;* Carlos Silvester, *Traffic Manager;* Eugenio Rossetti, *Master of Roadway;* Leonardo Horn, *Supt. of Locomotives;* R. Martinez Campos, *Master Locomotive Repairs;* Martin J. de Goycochea, *Supt. Telegraph;* Joaquin Ferreira, *Purchasing Agent.* GENERAL OFFICE, Córdoba, Argentine Republic.

Northern Colonies Ry. of Santa Fé.—*Line of Road:* Santa Fé, capital of the Province of that name, to town of Lehman in same province, 100 kilo.; opened July 1, 1885. Branch from San Carlos to Santa Fé opened in April, 1886, and from Santa Fé to Port of Colastine in October, 1886. Net earnings, main line, in 1886, $134,752. Gross earnings, branches, in 1886, $37,331. An extension from Lehman north to the southern boundary of the lands of the Santa Fé Land Co. (Limited.), 162 5 kilo, is under construction; capital provided, £554,500. Built and owned by the Provincial Government of Santa Fé. W. Hamilton, *Acting Secretary Council of Administration*, 61 Moorgate Street, London, E. C.; T. W. Dodds, *Manager of Railway*, Santa Fé, A. R. Messrs. C. de Murrietta & Co., bankers for the Company, 7 Adam's Court, Old Broad Street, London, E. C.

Western Railway of Santa Fé.—*Lines of Road as projected:* Rosario to San José de la Esquina, 110 miles; Candelaria to Melinene, 80 miles. *Completed* from Rosario to Candelaria, 40 miles. GENERAL OFFICE, Rosario.

Western and Central Colonies Railways of Santa Fé.—*Lines in progress:* San Carlos (N. C. Ext. Ry.) to Galoez (B. A. & R. Ry.), 35 kilo.; Gessler Colony to Corondo, 30 kilo.; Pilar (N. C. Ry.) south-west to boundary of Córdoba, 85 kilo.; Humboldt (N. C. Ry.) northerly, 80 kilo.; Built and owned by Provincial Government of Santa Fé. Capital provided, £984,400, in bonds of £100 each, issued in London, all proceeds going to contractors for the works, Messrs. John C. Meiggs & Son. C. de Murrietta & Co., Bankers, London, E. C.

Western Railway of Buenos Ayres.—*Lines of Road completed:* Buenos Ayres to 9 de Julio, 262 kilo.; Lujan *via* Pergamino to Junin, 251 kilo.; Merlo to Lobos and Saladillo, 151 kilo.; La Plata *via* Temperley to Moron, 76 kilo.; La Plata to Ferrari, 39 kilo.; Pergamino to San Nicolas, 74 kilo.; Temperley to Cañuelas, 47 kilo., and several small branches, aggregating 32 kilo.—total, 927 kilo. *Under construction and projected:* 9 de Julio to Los Melizos; and Saladillo to Alvear. 2d track, 46 kilo.; other tracks, 120 kilo.; total track (1,000 steel), 1,093 kilo. Gauge, 1.675 metre, equal to 5 ft. 5 in. Weight of rails—steel, 28 kg. per metre (Vignole rails.); iron, Barlow's, 44 kg., and Champignon, 34 kg. Length of rails, 8 metres. Fixed upon 9 cross-ties of hard wood, called Quebracho and Urunday, or upon 7 couples of iron cups (Lievesey patent). Maximum grade, 1 per cent. Locomotive engines, 90. Cars—passenger, 169; baggage and mail, 42; freight, 2,740; other, 92—total, 2,877. *Description of Equipment:* Passenger locomotives, 4-coupled wheels with 4-wheeled bogie; diameter of cylinder, 15 in.; stroke, 18 in. Freight locomotives, 6-coupled wheel; diameter, 20 in.; stroke, 24 in. Locomotives manufactured in United States, England, and France. Fuel, Cardiff coal. Weight, 32,000 to 112,000 lbs. Cars—passenger, 4 and 8-wheel, 21 to 50 feet in length; baggage, 21 to 30 feet, 4 and 8 wheel; freight—box (1,301), 21 feet, 4 wheel, 12,000 lbs. capacity, 11,500 lbs. weight; platform (1,439), 21 to 30 feet, 4-wheel. This road is owned by the Provincial Government of Buenos Ayres. Its construction was begun in 1853. Total cost to December 31, 1885, $20,500,000. Earnings—in 1884 (805 kilo.), gross, $926,012; in 1883 (557 kilo.), gross, $2,143,419; net, $892,107; in 1884, (789 kilo.), gross, $3,128,995; net, $1,173,272; in 1885, gross, $3,865,984; net, $1,108,004. Reynaldo Otero, *Director General;* Jorge N. Williams, *Secretary;* Felipe Pita, *Treasurer;* Luis V. Salinas, *Chief of Traffic, etc.;* H. Bustos, *Chief Engineer of Roadway and Bridges;* Marcos Mané, *Chief of Motive Power, etc.;* Carlos Arias, *Superintendent of Telegraph;* GENERAL OFFICE, La Plata, Buenos Ayres, A. R. G. S. Martinez, *Special Commissioner of the Western Railway of Buenos Ayres*, London; Morton, Rose & Co., *Financial Agents;* London, Eng.

BARBADOES (Lesser Antilles).

(British dependency. Area, 166 square miles. Population, about 35,000) *Railway.* The Barbadoes Limited Ry. Co. (British corporation).—*Line of Road*, Bridgetown to the Scotland district, 24 miles (crossing the island and affording rail communication to seven of the eleven districts). Gauge, 3 ft. 6 in.; sidings, 1 mile. Capital, £145,000; bonds, £50,000. Government guarantee of £6,000 per anum net income for 20 years. Cost about $90,000 per mile. Road opened September, 10, 1883. V. Peronnet Sells, *Secretary*, 4 Mincing Lane, London, E. C.

BOLIVIA.

No railroads in actual territory of Bolivia. Such small lines as had been constructed were on the sea-coast, which was taken by the Chileans. Latest information is to the effect that there were two proposed lines pending the decision of the Bolivian Congress—one from La Paz to Puerto Perez on Titicaca Lake, 45 miles. This line will run in connection with the Peruvian RR. from Mollendo, passing by Arequipa and ending at Puno; but to avoid the navigation of the lake there is another proposed line going directly from Puno to La Paz, 90 miles. The second is the proposed line from the frontier of the Argentine Republic to La Paz, 1,200 miles, passing by Potosi and Ururo, with two branches, one from Ururo to Cochabamba, 135 miles, and the other from Potosi to Sucre, 90 miles, or, in all, 1,425 miles. This line will run in connection with the National Central Northern Railway of the Argentine Republic.

BRAZIL.

Alagoas Ry. (Limited).—*Line of Road:* Maceio to Imperatrix, 55 miles. Gauge, 1 metre. British company organized 1881 to build this line under the concession granted to Domingos Martinho and Jaquimda Silva Leão. Road opened December 3, 1884. Line runs along the valley of the Mundahie River in the Province of Alagoas. Imperial Government guarantees 7 per cent. per annum on maximum capital, £512,212 (of which £300,000 issued), and reserves right of purchase. In 1885 a concession was obtained from the Provincial Government for the construction of a branch from the main line to the town of Assemblia, a distance of 35 miles, and surveys have recently been completed. The operation of the line resulted in a loss of £3,212 for 1886. A dividend of 5 per cent. was paid from the Government guarantee. Henry B. Briggs, *Secretary;* D. M. Fox, *Engineer.* GENERAL OFFICE, 20 Great Winchester Street, London, E. C.

Bahia and Minas RR.—*Line of Road completed:* Caravellas to Aymorés, 142,400 kilo., and extension, 15 kilo.; under construction to Philadelphia, 237 kilo. Gauge, 1 metre. Rail (steel), 42 lbs. Locomotive engines, 2 English and 4 Baldwin. Cars—passenger, 6; baggage, 2; freight, 50. Built under concession granted to M. F. Argollo; construction begun January 25, 1881, and opened to Aymorés November 9, 1882; extension in 1884. Present company organized by concessionary January 13, 1883. M. F. Argollo, Carvallas; F. P. Mayrink and L. V. L. Rubeiro, Rio Janeiro, *Directors.* GENERAL OFFICE, Carvallas.

Bahia and San Francisco Ry. (Limited).—*Line of Road:* Bahia to Alaguinhas, 77 miles. Gauge, 5 feet 3 inches. Rail (steel, 22 miles), 56 to 72 lbs. Locomotive engines, 24. Cars—passenger-train, 52; freight-train, 287. British corporation registered January 28, 1858. Total cost road, £1,800,000. Government guarantee—Imperial, 5 per cent.; Provincial, 2 per cent. Gross earnings year ending June 30, 1885 (including guarantee, £126,000), £182,312; net, £117,807. Average dividend, 6½ per cent. *Timbo Branch:* Alaguinhas to Timbo, 88 kilo., of which completed in 1885, Alagoas to Kilo, 49, remainder under construction. This is a separate undertaking. Estimated total cost, £296,120, on which Government guarantee of 6 per cent. per annum. Capital of main line, £1,800,000; Capital of Timbo branch, £240,000. Leonard Micklem, *Secretary,* 38 New Broad Street, London, E. C.; Richard Teplady, *Superintendent and Resident Engineer,* Bahia.

Bahia and San Francisco Railway Extension.—*Line of Road:* Alaguinhas to Queimadas, 227 kilo. Gauge, 1 metre; rail (iron), 45.85 lbs. per yard. Maximum curvature on road, 153 metres radius. Maximum grade per metre ascending and descending, 0.018 metre. Locomotive engines, 12 Baldwin's (5 consolidation and 7 mogule); average weight, 20 tons; fuel, anthracite coal. Cars—passenger, 14; mail and baggage, 5; tank, 9; freight (box, 23; platform, 25; cattle, 37; fuel, 8; crane, 4; gunpowder, 1), 107—total, 135. The greater part of the above is American equipment, that manufactured in Belgium being of American pattern. This line is owned by the Provincial Government of Bahia, and forms an extension of the Bahia and San Francisco Railway northwest from its terminus at Alaguinhas. In 1881 it was in operation from Alaguinhas to Santa Luzia, 181 kilo. Gross earnings, $145,146; expenses more than double that amount. A continuation of this line is projected and now under construction to Joazeiro on the San Francisco River. Luiz da Rocha Dlus, *Director and Chief Engineer,* Gustavo Adolpho da Silveira, *Traffic Manager and Superintendent Telegraph,* Alaguinhas, Bahia; Caetano Turquim de Almeida, *Superintendent Car and Locomotive Repairs,* Aramarys, Bahia; Lycurgo José de Mello, *Resident Engineer,* José Ayroza Galvao, *First Engineer,* João du Silva Rego, *Secretary,* Coelho de Oliveira, *Treasurer,* Alaguinhas, Bahia. PRINCIPAL OFFICE, Alaguinhas, Bahia.

Companhia Bragantina. *Line of Road:* Campo Limpo Sta. on the S. R. Ry. to Braganca, 32 miles. Gauge, 1 metre; rail, steel. Locomotives, 5 (English); Mogul, average weight, 36,000 lbs. (without tender); fuel used, coal. Cars—passenger, 6 (6 wheel); baggage and mail, 2 (6 wheel); freight, 30 (6 wheel), also 6 flat and 2 cattle cars. Maximum curvature on road, 10 deg., 20 min. Maximum grade per mile, 145 feet. Crossties, Peroba wood. Height of Braganza above sea-level, 2,823 feet. Construction and equipment to December 31, 1885, $35,000 per mile. Gross earnings for year, $43,965. Working expenses, $39,064. Net earnings, $4,981. Antonio J. Lune, *President;* José G. Christiano, *Secretary;* L. G. da Silva Lune, *General Inspector, Traffic Manager and Chief Engineer;* H. Ferreira, *Master of Locomotive Repairs;* J. Sallis Pupe, *Purchasing Agent.* Location of PRINCIPAL OFFICE, Braganza, Province S. Paulo, Brazil.

Brazil Great Southern Ry. (Limited).—*Line of Road, as authorized:* Quarahim River (the dividing line between Uruguay and Brazil) to the town of Itaque on the Uruguay River, 144 miles, all in Province of Rio Grande do Sul. Completed from Uruguayana to a point 9 kilo beyond Uruguayana, a total distance of 84 kilo., September 16, 1886; whole line to be completed in November, 1887. British company organized in 1883. Government guarantee of 6 per cent. on capital, £675,000, with reservation of right to purchase after 90 years. Extension of this line from Itaqui *via* San Borja and San Luiz to St. Angelo. L. A Williams, *Secretary;* Alfred Rumbell, *Engineer.* GENERAL OFFICE, 14 Queen Victoria Street, London, E. C.

Brazilian Imperial Central Bahia Ry. (Limited).—*Main Line:* São Felix to Lucimadinhas, 100 miles; branch: Cachoeira to Feira de Santa Anna, 15 miles. Gauge, 3 ft. 6 in. Rail (steel), 40 lbs. Locomotive engines, 20. Cars—passenger, 70; baggage, 8; freight, 558. For year ending December 31, 1886, traffic receipts, £52,600. Expenses, £32,546. Deficit, £45. British company organized in 1875. Construction begun in 1880; completed in sections; opened to Queimadinhas in December, 1885. Government guarantee of 7 per cent. on the capital, £1,462,500 for 30 years. Line projected to run to the San Francisco River. Frank M. Sill, *Secretary,* London, Eng.; I. Mawson, *General Manager and Representative in Brazil;* L. Lloyd *Resident Engineer;* I Webster, *Locomotive Superintendent,* São Felix, Bahia. PRINCIPAL OFFICE, 2 Queen Street, London, E. C., Eng.

Campos and Carangola Ry. (Limited). (**Estrada de Ferro da Carangola Ry.**)—*Main Line:* Campos to Porto Alegro, 139 kilo.; Patrocinio branch, 39 kilo.; Itaopoano branch, 21 kilo.—total completed, 189 kilo. Main Line projected to Santo Antonio dos Tombos, on the boundary line of the Province of Minas Geraes. Gauge, 1 metre. Rail (steel, 90 kilo.), 42 lbs. Locomotive engines, 9 American. Cars—passenger, 15 American; baggage, 2; freight, 75. Brazilian Company, chartered April 12, 1872; construction begun in 1876; fir t section main line opened December, 1878; second, October, 1882. Imperial Government guarantee of 7 per cent. on £675,000 capital. Receipts, 1886, $257,·48. Francisco Ferriera Saturnino Braga, *President;* Barão de Goytacazes, *Secretary;* Jose Cardoso Moreiro, *Treasurer;* Jose Maria de Conceicas, Jr., *Engineer and General Manager.* GENERAL OFFICE, Campos.

Compagnia Generale de Chemins de Fer Braseliens.—*Line of Road:* Paravaqua to Curutiba, 110 miles. GENERAL OFFICE, Paravaqua.

Companhia Ferro Carril do Jardino Botanico.—*Tramway lines in the City of Rio Janeiro and to the suburbs:* Larongeiras, Botafoyo, Olario and the Botanical Gardens—total length, 56 kilo. Gauge, 4 ft. 8½ in. Rail, 42 and 45 lbs. Cars—passenger, 69; freight, etc., 21. Mules and horses, 976. Passengers (paying) carried in 1886, 9,534,093. Net earnings, $394,350. Capital, $5,400,000. João Roberto de Almeida, *President;* Stephen Miller, *Superintendent.* GENERAL OFFICE, Rio Janeiro.

Companhia Estrada de Ferro Mecane e Compos.—*Line of Road:* Compos to port of Imbetiba,

61 miles. Joseph Lynch, *Engineer*, Macahe, Rio de Janeiro; J. Baptista Pereira, *Traffic Manager*, Imbetiba, Rio de Janeiro.

Conde D'Eu Ry. (Limited.) (Province of Parahyba).—*Line of Road:* Parahyba to Independencia, 96¾ kilo.; branch from Cobé Junction to Pilar, 24¼ kilo.—total, 121 kilo. Projected: Extension of main line to Cabedello, 19 kilo.; extension of branch to Inga and construction of branch from Malunga to Alagoa Grande. Gauge, 1 metre. Rail (steel), 45 lbs. Locomotive engines, 11. Cars—passenger, 27; freight, etc., 263. Maximum gradient, 2.17 per cent.; minimum radius of curves, 100 metres. British corporation organized in 1875. Construction begun in 1882; opened to Malungu, September 24, 1883; to Independencia, June 4, 1884; branch line opened November 28, 1883. Imperial Government guarantee of 7 per cent. per annum on maximum capital of £675,000, with option of purchase. First year's operations of whole line showed a loss of £9,512, and for the year ending June 30, 1886, a loss of £16,810. G. Ladstone Turner, *Secretary*, 27 Clements Lane, Lombard Street, London, E. C.; Charles Neate, *Construction Engineer*, 4 Victoria Street, Westminster, S. W.

Dom Pedro Segundo Railroad.—*Main lines and branches in Provinces of Rio de Janeiro, etc.*, radiating from the City of Rio de Janeiro to leading towns of interior and to connection with all other important lines of railway in the Provinces of Rio de Janeiro, Espirita Santo, Minas Geraes and San Paulo. Total length, 440 miles. Gauge, 5 ft. 3 in. Rail (steel and iron), 56 to 72 lbs. Built and owned by the Imperial Government of Brazil and named after the reigning Emperor, Don Pedro II. Construction begun in 1861, in which year 63 kilo. of main line was opened, extensions and branches added from time to time and constructive operations not yet closed. Locomotive engines, 195. Cars—passenger trains, etc., 360; freight trains, etc., 1,412.

The Trunk Line shows the following returns:

	1883.	1884.	1885.
Earnings.....	$6,352,500.	$6,312,500.	$6,711,650.
Net profits..	2,788,500.	2,749,450.	3,236,200.
Tons carried.....	405,100.	414,300.	429,900.

Herculano V. F. Penna, *Director;* Jorge Rademaker Grunewald, *Manager;* Antonio Pereira da Rocha, *Assistant Manager;* Carlos Concado de Niemeyer, *Chief of Repair Shops and Rolling Stock;* José Carvalho de Souza, *Assistant Chief of Repairs and Rolling Stock;* Arthur Alvin, *Chief of Line;* Aarão Reis, *Chief of Telegraphy;* Manuel Fernandes Figueira, *Secretary*. General Office, Rio de Janeiro.

Other Lines Owned or Built by the Government, etc.

Bananalense Ry. (Province of Rio Janeiro), 27 kilo.; gauge, 1 metre.

Baron of Araruama RR. (Province of Rio de Janeiro), 40 kilo.; gauge, 3 ft. 1¼ in., rail (steel), 40 lbs.; locomotives, 4; cars, 6.

Campos and San Sebastiao Ry., 18.2 kilo.; gauge, 0.95 metres.

Commercos and Rio das Flores (Province of Rio de Janeiro), 11.2 kilo.; gauge, 1 metre.

Juiz de Fora and Piou RR. (Province of Minas Geraes). In operation, 40 kilo. Under construction an extension to Rio Novo. Capital, $900,000, on which Provincial Government guarantees 7 per cent. for 30 years.

Oeste Ry. (Province of Minas Geraes), 99.196 kilo. Gauge, 1 metre. Extension projected from S. Joac d'El Rey to Ribeirao and Oliveira, 30 kilo. Contractors, Castio, Rocha & Co. Capital, $2,000,000. Provincial Government guarantees 7 per cent. for 40 years.

Pirahyense Ry. (Province of Rio de Janeiro), 34 kilo. Gauge, 1 metre.

Pitanguy RR. (Province of Minas Geraes), 56 kilo. Gauge, 1 metre.

Porto Novo de Cunha and Paquequer Ry. (Province of Rio de Janeiro), projected and partially built from Porto Novo, where connection is made with the Dom Pedro and the Leopoldino Rys., east to Paquequer, 20 miles. Gauge, 1 metre.

Principe Do Grao Para Ry. (Province of Rio de Janeiro), 25 kilo. Extension to S. José de Preto, opened September, 1886. Gauge, 1 metre.

Rio Novo Branch Ry. (Province of Minas Geraes), 99.196 kilo. Gauge, 2 ft. 6 in.

Rezende and Areias Ry. (Province of Rio de Janeiro), 29 kilo. Gauge, 1 metre.

Rio Bonito and Junurnahyba RR. (Province of Rio de Janeiro), 8.5 kilo.; gauge, 1 metre; rail, 40 lbs.; locomotives, 2; cars, 6.

River Ouro Ry., 58.056 kilo. Operated at a loss.

San Fidelis RR. (Providence of Rio de Janeiro), 76 kilo.; projected and under construction.

Santa Isabel do Rio Preto Ry. (Province of Rio de Janeiro), running to Santa Isabel and Rio Preto; 43 kilo. open; 38 kilo. under construction.

Union Mineira Ry., 117 kilo.

Union Valenciana RR. (Province of Rio de Janeiro), 36 kilo.; gauge, 1 metre; rail, 40 and 42 lbs.

Donna Thereza Christina Ry.—*Line of Road:* Laguna to Imbituba and Tuberao (coal mines) (Province of Santa Catharina), 73 miles. Gauge, 1 metre. Rail, 40 lbs. Locomotive engines, 8; cars—passenger, 16; freight, etc., 285. British corporation organized in 1875. Imperial Government guarantee on £651,046 capital, with privilege of purchasing. Construction and equipment to December 31, 1885, £751,523. Gross earnings for year (June 30, 1886), £5,829. Working expenses, £33,696. Major General Beadle, *President;* C. W. Roberts, *General Manager;* E. J. Brown, *Chief Engineer;* Charles Bischoff, Jr., *Secretary*, 40 Old Broad Street, London.

Estrada de Ferro Baturite.—*Line of Road:* Ceara to Baturite, 120 miles. Gauge, 1 metre. Rail (steel, 15 miles), 45 lbs. Locomotive engines, 12. Cars—passenger, 19; freight, 96. Owned by Provincial Government of Ceara. Amarillo Olinda de Vasconcellos, *Director and Chief Engineer*, Henrique Foglare, *Manager of Workshops and Supply*, Fenelon Bomilcar da Cunha, *Secretary*. General Office, Escriptorio Central Providence de Ceara.

Estrada de Ferro de Contagallo.—*Line of Road:* Nictheroy to Rio Bonito and to Passageme *via* Macaco, with branches to Parahyba, Corte and San José—total, 165 miles. Gauge, 1.1 metre. Rail

(steel, 60 miles), 42 to 70 lbs. Locomotive engines, 33. Cars—passenger, 32; freight, etc., 208. This road is owned by the Provincial Government of Rio de Janeiro. Gross earnings first five months, 1886, $82,700; net, $46,500. Ernesto Eugenio da Graça Bastos, *Director*, J. Candide Murtinho, *Traffic Manager*, F. Carpenter, *Superintendent of Roadway and Locomotive Department*, R. Carpenter, *Superintendent of Roadway and Locomotive Department*. GENERAL OFFICE, Nictheroy.

Ferro Carril de Pernambuco (Tramway).—Gustavo Adolpho Schmidt, *Superintendent*, Pernambuco.

Great Western of Brazil Ry. Co.—*Main Line:* Recife to Limoeiro, 51.5 miles; branch: Carpina to Nazareth, 8.5 miles—total, 60 miles. Gauge, 3 ft. 3⅜ in. Rail (steel), 50 lbs. Locomotive engines, 2, built at Glasgow and Newcastle-on-Tyne. Cars—passenger, 31; baggage and mail, 219. British company, registered December 21, 1872. Construction begun in 1881; whole line completed and opened in September, 1882. In 1886 the company undertook an extension to Tinbauba, without a government guarantee. Government guarantee of 7 per cent. per annum on capital of £362,500, with option of purchase. Gross earnings last fiscal year, £57,170; expenses, £37,170. Dividends of 7 per cent. were paid up to June, 1885, and two of 5 and 4 per cent. have been paid since. H. Watts, *Secretary*, London; Jason Rigby, *General Manager and Chief Engineer*, Pernambuco, Braz. PRINCIPAL OFFICE, 2 Coleman Street, London, E. C.

Imperial Brazilian, Natal and Nova Cruz Ry. Co.—*Main Line:* Natal to Nova Cruz, 75 miles. Gauge, 3 ft. 3⅜ in. Rail (steel, 75 miles), 47 lbs.; ties, native hard wood. Locomotive engines, 12, built at Glasgow; fuel, coal. Cars—passenger, 25; freight, 200. Company registered in 1878. Government guarantee of 7 per cent. per annum on capital of £618,300, with option of purchase after 30 years. Cost of road and equipment to December 31, 1885, £618,300. Gross earnings last half of 1886, $25,125; expenses, $47,136. Colin MacKenzie, *President;* Walter Miller, *Secretary;* Edmund Etlinger, *General Manager*, London, E. C.; John H. Morant, *Resident Manager and Engineer;* Alex. J. O'Grady, *Traffic Superintendent*, Natal Rio Grande do Norte. PRINCIPAL OFFICE, 60 Queen Victoria Street, London, E. C.

Ituana Ry.—*Maine Line:* Jundiahy to Piracicaba, 89 miles; branch from main line to Itu, 14 miles—total, 103 miles. Gauge, 1 metre. Rail, 35 lbs. Extension to San Manoel projected. Locomotive engines, 1 American, 9 English. Cars—passenger, 11; freight, 93. Maximum grade, 28 per cent.; maximum curvature, 120 metres radius. Road opened in February, 1877. Capital, $1,120.77, guaranteed 7 per cent. per annum by Government of Province San Paulo. Net surplus for half year ending December 31, 1886—main line, $21,-049; branch, $56,765. GENERAL OFFICE, Jundiahy, San Paulo, Brazil.

Leopoldino Ry. (Province of Minas Geraes).—*Line of Road:* Porto Novo de Cunha (junction Dom Pedro II. RR.) *via* Leopoldino and São Geraldo northwest. Total length of completed main line and branches, 295.665 kilo. Extension and branches projected, 65 kilo. Gauge, 1 metre. Rail, 40 lbs. Locomotive engines, 20. Cars—passenger, 45, freight, 300. P. L. Monteiro, *Traffic Manager;* K. de Steiger, *Superintendent of Locomotives;* Luiz de Sobral Pinto, *Engineer*. GENERAL OFFICE, Porto Novo de Cunha.

Minas Central Ry. of Brazil. (Limited).—*Line of Road under construction:* From a point of junction with the Dom Pedro Segundo RR. to the City of Pitanguy on the San Francisco River about 200 kilos. British corporation registered April 25, 1883, to acquire a concession granted by the government of the Province of Minas Geraes, which guarantees an income of £60,750 for 30 years from construction of line and interest during construction. Company is also granted a monopoly for 50 years, during which no competing line can be built within 30 kilo. Capital stock, £732,500 and £600,000 debentures. H. Clarke, *President*, 32 St. George's Square, London; Smith, Payne and Smith, *Bankers*, London; Albert H. Walker, *Secretary*, 21 and 13 Clements Lane, London, E. C. *Engineers*, Geo. Manders, in Brazil; William Martineau, 2 Great Winchester Street Buildings, London, E. C.

Minas and Rio Ry. (Limited).—*Line of Road:* Cruzeiro (junction Dom Pedro Segundo RR., Province of San Paulo) to Tres Coracoes (Province of Minas Geraes), 170 kilo. Gauge, 1 metre. Rails (all steel)—on first section, 32 kilo., 50 lbs.; on remainder of line, 40 lbs. Locomotive engines, 14. Cars—passenger, 20; freight, 152. British corporation registered April 24, 1880. Road opened June, 1884. Government guarantee of 7 per cent. per annum on maximum capital of £1,816,875, with option of purchase. Gross earnings, first half of 1885, £51,167; net, £7,844. In 1885-86 the net profit on the working was £1,323. R. C. Preston, *Secretary*, 8 Victoria Chambers, Westminster, S. W.; F. E. Fenn, *General Manager and Representative*, Cruzeiro, Brazil.

Mogyanna RR.—*Main Line:* Campinas to Casa Branca, 173 kilo.; branch from Jaguary to Amparo, 19 miles; branch from Sertaosinho to Ribeirao Preto, 90 kilo.; branch from Mogy to Penha, 13 miles—total, 295 miles. Under construction, 110 miles. Gauge, 1 metre. Rail 45 lbs. Locomotive engines, 12. Cars—Passenger, 12; freight, 100. Brazilian corporation. Maximum grade, 2¼ per cent. Maximum curvature, 120 metres radius. The line is divided into 3 sections; the first and second are open for traffic, and for the year ending June, 1888, dividends amounting to 13 per cent. were paid on the capital; the third section is under construction, and on this the company have an Imperial guarantee for 20 years, equivalent to £45,675 per annum. Earnings last half of 1885.—*Main Line:* Gross, $392,656; net, $518,648; dividend, $14 per share. *Ribiero Preto Extension:* Gross, $246,697; net, $136,386; dividend, $10 per share. GENERAL OFFICE, Campinas.

Nictheroy Tramway.—In city of Nictheroy, Province of Parahyba. General balance sheet, December 31, 1886. Capital, $250,000; debentures, $224,100; sinking fund, $5,800—total, $489,900. Contra: Cost of road and equipment, $501,585. No further information.

Parangua and Coratiba RR. (Province of Parana).—Completed from Paranagua to Morretes, 41 kilo. Gauge, 1 metre. To be extended 79 kilo.

Paulista RR.—*Main Line:* Jundiahy to Belem de Descalvado, 120 miles; branch from Condeiros to Pinual, 50 miles. Gauge, 5 ft. 3 in. Rail, 55 to 65 lbs. Locomotive engines, 27. Cars—passenger, 50; freight, etc., 213. Maximum grade, 2 per cent.; Maximum curvature, radius, 280 metres. GENERAL OFFICE, Jundiahy.

Paulo-Affonso Ry. (Province of Alagoas).—*Line of Road:* Piranhas to Jatoba, 116 kilo., following the north bank of San Francisco River. Gauge, 1 metre. Rail, 42 lbs. Locomotive engines, 6. Cars—passenger, etc., 10; freight, etc., 58. Built and owned by Provincial Government of Alagoas. Opened in August, 1883. Worked at a loss. Total cost, $2,550,000. Louis Fellippe Alvas de Nebrega, *Chief engineer;* Manoel Clementino Aranho, *Resident Engineer;* Claudio Livio dos Reis, *Locomotive Superintendent;* Carlos Ajusto Tanotti, *Secretary*. GENERAL OFFICE, Piranhas, Alagoas.

Porto Alegre and New Hamburgo (Brazilian) RR. Co. (Limited) (Province of Sao Pedro do Rio Grande do Sul).—*Line of Road:* Porto Alegre to New Hamburgo, 43 kilo. Gauge, 1 metre. Rail (past steel), 42 lbs. Locomotive engines, 5. Cars—passenger, 23; freight, etc., 45. British corporation organized in 1870; concession granted by Provincial Government, which also guarantees a net revenue of 7 per cent. per annum on the capital of £202,500. Average dividend, 2 per cent. Gross earnings 1886, £13,637; net, *nil*. William Tweedie, *General Manager and Superintendent;* Henry Marshall, *Accountant*, Porto Alegre; E. Bowen, *Chief of Repair Shops*, São Leopoldo, Province of Rio Grande do Sul; W. C. Twitchett, *Secretary*. GENERAL OFFICE, 110 Cannon St., London.

Recife and Caruaru RR. (Province of Pernambuco).—Under construction from Recife westward to Caruaro, 110 kilo. Gauge, 1 metre. GENERAL OFFICE, Recife.

Recife and Caxanga Ry.—Tramway lines in the city of Recife and to suburbs. *Main Line:* Recife to Dois Irmaos, 6.75 miles; branches, Entrocamento to Monteiro, 3.25 miles; Entrocamento to Varzea, 5.50 miles. Total length, 15.5 miles. Gauge, 4 ft. Rail (steel), 45 and 48 lbs. Locomotive engines, 12 (English), weight, 33,600 lbs. Cars—passenger, 16 (4-wheel); freight, etc., 39 (4-wheel). Total curvature on road, 69 metres; Maximum grade per mile, 1,320 ft.; cross-ties, native wood. British corporation established in 1868, to construct and maintain street railway lines in the chief towns of Brazil. At the present, the only one built is the above. Capital (in three classes), December 31, 1885, £144,830. Gross earnings for year, £25,334. Expenses, £18,205. Net earnings, £7,118. W. Martineau, *President;* Jno. Butt, *Secretary;* H. W. S. Bird, *General Manager;* C. Sievers, *Chief Engineer.* GENERAL OFFICE, Pernambuco, Brazil.

Recife and Olinda RR.—Tramway and suburban road. Gauge, 4 feet 7 inches. Rail, 45 lbs. Locomotive engines, 6. Cars—passenger, 15; freight, etc., 28. Gross earnings, $12,300 per mile; net, $3,300. GENERAL OFFICE, Recife.

Recife and Sao Francisco Pernambuco Ry. (Limited).—*Line of Road:* Cinco Pontas (City of Recife) to Una (or Palmares), 77.5 miles. Gauge, 5 ft. 3 in. Rail (steel, 4 miles), 56 to 65 lbs. Maximum gradient, 1.25 per cent.; Minimum curve, 400 metres; sleepers, native wood and iron. *Government State Line:* Una to Canhotinho, 64 miles; gauge, 1 metre. Locomotive engines, 19 (English). Cars—passenger (4-wh. 16 ft). 27; freight, etc. (4-wh. 16 ft.), 356—total, 383. Incorporated in 1854. Construction begun, 1856; completed, 1862. Total cost, £1,342,169. Concession 90 years, with option of purchase. Government guarantee, 7 per cent.—5 per cent. by Imperial Government, and 2 per cent. by Provincial—equal to £260,283 net per annum. Gross earnings, 1886, £106,410. Expenses (exclusive of exchange difference and permanent works), £60,074. Underwood P. Harris, *Secretary*, 15 Old Jewry Chambers, London, E. C.; Wells Hood, *Superintendent and Engineer;* D. Park, *Locomotive Superintendent*, Recife, Pernambuco.

Recife and Sao Francisco Pernambuco Ry. Extension.—Completed from Una to Garanhas, 75 miles. Built and owned by the Provincial government of Pernambuco. Constructed in 1882-1885. Dr. Francisco José Gomes Callaca, *Director and Chief Engineer*, Pernambuco.

San Paulo Brazilian Ry. (Limited).—*Line of Road:* Santos to Jundiahy, 86.5 miles. Gauge, 5 ft. 3 in. Rail (steel), 65 lbs. Locomotive engines, 35. Cars—passenger train, 56, freight train, 706; special, 52—total, 841. British company, incorporated in 1859; construction begun, 1860; whole line opened, February, 1867. Total cost, £3,750,000. Imperial government guarantee of 7 per cent. per annum on capital of £3,000,000, with option of purchase. Capital, £3,000,000; debentures, £750,000. Gross earnings, year ending June 30, 1886, £332,816; net, £137,757. Average dividends, 9¾ per cent. G. A. Hillier, *Secretary*, 111 Gresham House, Old Broad Street, London, E. C.; Wm. Speers, *Superintendent;* John Barker, *Locomotive Superintendent and Engineer*, San Paulo.

San Paulo and Rio Janeiro Ry.—*Line of Road:* San Paulo to Cachoeira, and junction with the Dom Pedro II. Ry., 140 miles. Gauge, 1 metre. Locomotive engines, 16. Cars—passenger, 18; baggage, 3; freight, 165. British corporation organized in 1858. Road opened throughout, July 8, 1877. Provincial Government of San Paulo guarantees 7 per cent. per annum on £1,300,000 capital, with right of purchase. The due payment of this interest for 30 years is guaranteed by the Brazilian Imperial Government. GENERAL OFFICES, London, England, and San Paulo, Brazil. *Financial Agents*, Louis Cohen & Sons, 31 Throgmorton Street, London, E. C.

Santo Antonio de Padua Ry. (Province of Rio de Janeiro); completed, 93 kilo.; under construction, 19 kilo. Gauge, 2 ft. 11½ in. Rail, 40 lbs. Locomotive engines, 4. Cars—passenger, 8; freight, etc., 50. Herman Joppert, *President*, Joseph Lynch, *Engineer and Superintendent.* GENERAL OFFICE, Rio de Janeiro.

Sao Carlos do Pinhal Ry.—Completed, 77 012 kilo.; opened May 2, 1883. Under construction, 46 kilo. Branch lines to Brotos and Jahu are under construction, and the Dans Corregos section of the latter branch was opened September 7, 1886.

Sorocabana Ry.—*Line of Road:* San Paulo to Tieté, 118 miles. Gauge, 1 metre. Rail, 42 lbs. Extension to Botucatú in progress, and Cerquilho to Laranjal section of same opened May 24, 1886. Locomotive engines, 10. Cars—passenger, 11; freight, 72. Brazilian corporation. Road opened to Tieté in 1885. Gross earnings first half of 1886—main line, $127,250; extension, $21,600. Net, $39,150 and $6,842. Total cost, $5,000,000. GENERAL OFFICE, San Paulo.

Southern Brazilian Rio Grande do Sul Ry. Co. (Limited).—*Line of Road* (completed and under construction): Rio Grande to Cacequy, about 325 miles, all in Province of San Paulo. (Completed to Bagé, 175 miles) Gauge, 1 metre. Rail (steel), 42 lbs. Locomotive engines, 12 (American). Cars—passenger, 25; freight, 162. Steepest gradient, 3 per cent.; minimum radius of curves, 120 metres; sleepers, native wood. British corporation organized in 1880 to acquire certain concessions, etc., for the construction of a line of railway which had been partly built by the French company La Compagnie Imperiale du Chemin de Fer de Rio Grande do Sul (Brasil). Line opened December 2, 1884. By the terms of the concession the government guarantees for 30 years 7 per cent. on capital of £1,521,163; no competing line within 20 kilo. to be sanctioned for 90 years without company's consent; but reserves option of purchase after 30 years. Construction and equipment to December 31, 1885, £1,574,684. Gross earnings for year, £70,697; expenses, £69,935. Net earnings, £762. Average dividends, 7 per cent. per annum. Capital stock, £600,000; debentures £285,476. Lt.-Col. F. D. Grey, *President;* A. Duprat, *General Manager;* B. de Hollebenu, *Chief Engineer;* H. H. Barras, *Master Locomotive Repair;* Charles Bischoff, Jr., *Secretary*, 40 Old Broad Street, London, E. C.

Taquary and Uruguayana RR.—Projected to run from Taquary, near Porto Alegre, due west to Uruguayana. *Line of Road* completed): Taquary to Santa Maria, 162.75 miles. Between Santa Maria and Cacequay, 71.5 miles more are under construction, leaving 164.5 miles yet to be constructed. Gauge, 1 metre. Rail (steel), 40 to 45 lbs. Locomotives, 22 (12 French, 10 American); average weight, 57,568 lbs. Cars—passenger, 15 (8-wheel); baggage, etc., 3 (8-wheel); freight, 93 (4-wheel); also 18 cattle trucks, 3 munition wagons and 2 prison cars. Maximum curvature of road, 11 deg. 41 min.; maximum grade per mile, 95 ft.; cross ties, native wood. Construction and equipment to December 31, 1885, $8,743,200. Gross earnings for year, $321,760; expenses, $348,443. Deficit on operations, $16,683. Eugenio Adriano Pereira da Cunha e Mello, *President and General Manager;* Luiz Americano, *Secretary;* Antonio Carlos Ferreira da Silva, *Treasurer;* Antonio Candido de Azevedo Sodré, *Chief Engineer;* Antonio Gomes dos Passos Perdigao, *Master Car Builder;* José de Azerido Paes, *Purchasing Agent.* Location of PRINCIPAL OFFICE, Porto Alegre. Road being built by General Government. GENERAL OFFICE, Taquary.

Western Ry. of San Paulo (Companhia Paulista de Estrada de Ferro de Oeste).—*Line of Road:* Jundiahy (junction San Paulo Ry.) *via* Campinas to Belem do Descalvado, 125 miles; branch from Condeiras *via* Rio Claro to the Mogy Guassu River at Pinhal, 26 miles—total, 151 miles. Gauge, 5 ft. 3 in. Rail (part steel), 56 to 72 lbs. Locomotive engines, 14; cars—passenger, 25; freight, etc., 306. Brazilian corporation, organized under Imperial decrees, and road built without aid of foreign capital. Total cost about $6,500 per mile. Net earnings for 1884, £152,669, from which was paid dividends of 8¼ per cent. *Directors:* Dr. Fidencio Nepomuceno Prates, Dr. Luis de Vasconcellos, Dr. Nicholas Queiros and Dr. Elias Chaves. Walter L. Ham-

mond, *General Manager and Chief Engineer*, Jundiahy; Max Mundt, *Traffic Manager*, Campinas; R. G. B. Davids, *Telegraph Engineer*, Campinas. GENERAL OFFICE, San Paulo.

BRITISH GUIANA.

Demarara Ry.—*Line of Road:* Georgetown to Mahaicá, 20 miles. Gauge, 4 ft. 8½ in. Rail, 60 lbs. Locomotives, 10 (English); average weight, 28 tons. Cars—passenger, 16 (27 ft., 6-wheel); freight, 204 (17 ft., 4-wheel). British corporation. Organized in 1845. Road completed and opened throughout its entire length, September 1, 1864. Construction and equipment to December 31, 1885, $1,296,000. Gross earnings for year, $151,181.15; expenses, $76,865.22. Net earnings, $74,315.93. Capital, £260,000. Average dividend, about 4½ per cent. F. A. Mason, *President and General Manager*; James Smellie, *Cashier*, Georgetown, Demarara; V. Perronet Sells, *Secretary*, 4 Mincing Lane, London, E. C. PRINCIPAL OFFICE, Georgetown, B. G.

CHILI.

Arica and Tacna Ry.—*Line of Road:* Port of Arica to Tacna, 40 miles. British corporation, incorporated in 1853. Road opened in 1854. Capital, representing cost, £450,000. Annual dividends average 5 per cent.; in 1884, 4 per cent., and in 1885 only 2 per cent. was paid. This road is situated in territory acquired from Peru under the terms of the treaty of peace of 1883. C. J. Hegan, *Chairman and Managing Director*, 69 Palmerston Buildings, Old Broad Street, London, E. C. LOCAL OFFICE, Arica.

Antofagasta (Nitrate and) Ry. Co.—*Line of Road:* Antofagasta to Conchi, 185 miles; branches, extensions, etc., 20 miles. Gauge, 2 ft. 6 in. Rail (steel), 35 lbs. Locomotive engines, 19 (English); average weight, 20 tons; fuel, Chili and English coal. Cars—passenger, 7 (6-wheel); freight, etc., 787 (4, 6 and 8-wheel). Total curvature on road, 550 ft.; maximum grade, ascending, 177 ft.; descending, 44 ft. per mile. Cross-ties, Chili oak. This line is situated in the territory acquired from Bolivia under the terms of the treaty of peace of 1883. Gross earnings, 1885, $684,161.55; net, $323,296.32. Dividend for half year, December 31, 1885, 5 per cent. Frederico Varela, *President*; Juan Pardo, *Secretary*, Valparaiso; P. M. Wessel, *General Manager*; Hernando Ramirez, *Traffic Manager*. GENERAL OFFICE, Antofagasta.

Carrizal and Cerro Blanco Ry.—*Line of Road:* Carrizal to Yerba Buena, with branch from Canto del Agua to Carrizal Alto—total length, 70 miles. Gauge, 4 ft. 2 in. Rail (steel), 42 lbs. Locomotive engines, 11. Cars—passenger, 10; freight, etc., 224. British corporation, formed July 1, 1880, by consolidation of Carrizal Ry. (Carrizal to Canto del Agua, opened in 1867) and the Cerro Blanco Ry. (Canto del Agua to Yerba Buena, opened in 1868). Capital, $1,500,000. Dividends average about 8½ per cent. per annum. The extension of the line up the Jarilla Valley, 20 miles, was completed during 1886, and the capital increased by the issue of £10,000 debenture bonds. James Lyon, *President*; John King, *Engineer and General Manager*; Alexander Turpie, *Master Mechanic*, Valparaiso; Sothers & Co., Valparaiso, and G. A. Tilney & Co., H10 Exchange Buildings, Liverpool, *Secretaries*. LOCAL OFFICE, Valparaiso.

Chañaral Ry.—*Line of Road:* Chañaral to Salado and Animas, 55 miles. Agustin Edwards, *Proprietor*, Valparaiso; J. M. Van Buren, *Superintendent*, Chañaral.

Chilian Government Railways.—*Southern Line:* Santiago to the port of Talcahuano; extension from San Rosendo to Ancol; branch from San Fernando to Pamilla; branch from Santa Fé to Los Angeles—total length of completed road, 446 miles. Extensions and branches projected: Talcahuano to Valdivas and Osomo; Talcahuano to Lebu; Ancol to Traiguen; Parrol to Cauquennes—total, about 500 miles. *Valparaiso and Santiago Lines:* Valparaiso to Santiago, with branch from Las Vegas to Santa Rosa, in the Andes—total length, 144 miles. These lines were built and are owned by the Federal Government of the Republic of Chili at a cost of about $31,000,000, or more than $50,000 per mile. Gauge, 1.67 metres. Rail (part steel), 65 to 72 lbs. Locomotive engines, 110. Cars—passenger, 250; freight, 1,170. Eulogio Altamarino, *Managing Director*; H. Prieto y Cruz, *Superintendent*; George S. Lyon, *Chief Engineer*; James Hall, *Chief of Machinery*. GENERAL OFFICE, Santiago.

Copiapo Ry.—*Line of Road:* Caldera to San Antonio, 151.23 kilo.; Charnacillo branch, Pabellon to Charnacillo, 40.01 kilo; Puquios branch, Paipote to Puquios, 50.29 kilo.—total, 241.53 kilo. Sidings, etc., 31 kilo. Gauge, 4 ft. 8½ in. Rail (steel, 31 kilo.), 56 to 72 lbs. Locomotive engines, 18 (8 English, 10 American); average weight, 30 tons; fuel, bituminous coal. Cars—passenger (4 and 8-wheel), 36; baggage and mail, 9, each 8 wheel; 24 box, 8-wheel, each of 10 tons capacity, and weighing 7 tons; platform, 8-wheel, 241. Total curvature on road, 77 kilo. Maximum grade, ascending, 4.50 per cent.; descending, 5.20 per cent. Cross-ties, Chili oak. This line was the pioneer railroad in the Southern hemisphere. Company organized in October, 1849. Road opened to Copiapo in January, 1852; to Pabellon, January 1, 1855, and to San Antonio, February 1, 1867. In 1868, Charnacillo branch purchased, and on January 20, 1871, Puquois branch opened. Capital, $4,200,000. Total cost of road and equipment to December 31, 1885, $4,242,152. Gross earnings, 1885, $525,888; net, $226,122. This line has proven a very profitable enterprise. During the past 15 years the dividends paid averaged more than 7 per cent. per annum, while for the 16 years preceding, the average annual rate was more than 12 per cent. Capital stock, $4,200,000, in 8,400 shares of $500 each. Agustin Edwards, *President*, Valparaiso; J. F. R. Budge, *Superintendent*; Charles M. Sayago, *Treasurer*; Francis Fischer, *Engineer*, Copiapo; Richard Jacques, *Chief of Machinery*; John Ludwig, *Master Car Builder*; J. H. Mackenzie, *Master Mechanic*, Caldera; Edward Kelsall, *Master Mechanic*, Copiapo; Charles Porter, *Store Keeper*, Caldera; *Secretaries*, G. A. Tinley & Co., H10 Exchange Buildings, Liverpool, England. LOCAL OFFICE, Copiapo.

Coquimbo Ry.—*Line of Road:* Coquimbo to Ovalle, 62 miles; branch to Panulcillo, 5 miles; Coquimbo to Serena and La Compania Smelting Works, 10 miles; branch, main line to Guayacan, 1 mile—total, 78 miles. Gauge, 5 ft. 6 in. Rail, 60 to 70 lbs. Locomotive engines, 12 (English); fuel, English and Australian coal; weight, 18 to 42 tons. Cars—passenger, 13 (8-wheel); freight, etc., 214 (all 4-wheel). Total curvature on road, 499 ft. Maximum grade, ascending, 1 ft. 25 in.; descending, 1 ft. 55 in. Cross-ties, cypress. Company organized in 1860. Road opened to Las Cardos and La Compania in August, 1862: to Ovalle, in July, 1873; Panulcillo branch in 1867, and Puntillo branch in 1863. Total cost of road, etc., $3,413,979. Gross earnings for year ending December 31, 1885, $323,413.39; operating expenses, $97,516.44. Net earnings, $125,896.95. Capital consists of ordinary $100 shares, $2,747,500, and $780,000 debenture bonds, 8 per cent. interest, payable half yearly, and redeemable by a sinking fund of 2 per cent. per annum, out of which $238,500 have been redeemed. Regular dividends, ranging from 8 per cent. per annum to 1½ per cent., have been paid by this company. Agustin R. Edwards, *President*, Valparaiso; Henry A. Vivian, *Superintendent and Engineer*; R. A. Claude, D. Thomas, *Inspectors*, Valparaiso. LOCAL OFFICE, Coquimbo. G. A. Tilney & Co., *Secretaries*, H10 Exchange Buildings, Liverpool, England, and Sothers & Co., Valparaiso.

Elqui Ry.—*Line of Road:* Serena to Elqui, 56 miles. Gauge, 1 metre. Opened early in 1883. Owned by an incorporated company. Uses track of Coquimbo Ry. from Serena to Compania, a third rail having been laid between those points. Julius Kanlen, *Secretary*, Serena.

Iquiqui Railway.—*Line of Road:* Iquiqui to connection with the Pisagua Ry. (See Pisagua Ry.)

Laraquete and Maguegua Railroad.—*Line of Road:* Laraqueta to Maguegua, 28 miles. GENERAL OFFICE, Laraquete.

Mejillones and Sierra Gorda RR.—*Line of Road:* Mejillones to Sierra Gorda, 16 miles. GENERAL OFFICE, Mejillones.

Patillos Railway.—*Line of Road:* Patillos toward Nitrate district of Lagunas, 92 kilo. Total projected length from Patillos to Lagunas, 110 kilo. Branches projected—to nitrate deposit of Bella-vista and to Surriejo, each 15 kilo. Gauge, 2 ft. 6 in. Rail, 37 lbs. Locomotive engines, 7; cars, 53. Situated in the Province of Tarapaca, which was acquired from Peru under the treaty of peace of October 20, 1883. The Patillos Ry. Co., Limited, was registered in London, December 9, 1884, and acquired this line of road, which previously belonged to Messrs. Montero Bros., of Lima, Peru. Road built in 1872. J. Manuel Montero, *President Board of Directors*, 12 Great Winchester St., London, E. C.; Henry Kendall & Sons, *Agents in London*; Ed. Lembcke, *Agent in Lima*; Wm. E. Billinghurst, *General Superintendent*, Iquiqui, Chili.

Pisagua Railway.—*Line of Road:* Pisagua to connection with the Iquiqui Ry. Both these lines were built about 12 years ago by private capital to develop the nitrate mines in the country through which they run. Total completed length about 150 miles. Gauge, 2 ft. 6 in. Rail, 34 lbs. Locomotive engines, 10. Cars (chiefly mineral), 165. The roads are situated in the recently acquired Province of Tarapacá. GENERAL OFFICE, Iquiqui, Chili.

Santiago Street Railway, in City of Santiago (3 lines), 20 miles. Gauge, 4 ft. 8½ in. Rail, 48 lbs. Eduardo Malti, *President*; Ramiro Sanchez, *Superintendent*. GENERAL OFFICE, Santiago.

Taltal Ry. (Limited).—*Line of Road:* Taltal to Refresco, 50 miles. Branch projected from Taltal to the Arturo Prat Mines. Sidings, 3 miles—total track, 53 miles, of which 52 miles laid with steel rails. Gauge, 3 ft. 6 in. Rail (steel), 41 lbs. Maximum grade, 4.216 per cent. Sleepers, white oak; curves, shortest radius, 130 metres. Locomotive engines—8 Manchester; tank; 6 wheel, 3 ft. diam., all coupled; cylinder, 13 in. dia. by 18 in. stroke. Cars—passenger, 3; baggage, 1; freight, 135. British corporation, registered June 3, 1881. Construction begun in December, 1880. Road opened October 20, 1882. At Refresco and in its vicinity are large deposits of nitrate. Capital—nominal, £500,000 in 100,000 ordinary shares of £5 each; issued, £307,750 in 61,550 full-paid shares. Debentures, 6 per cent., £14,000. Total cost, £489,751. Gross earnings, 1884-85, £29 689.149. Frank Henderson, *General Manager and Resident Engineer*; Henry Jefferies, *Assistant Loco. Superintendent*, Taltal, Chili; Arthur Rimmer, *Secretary*, 6 Great Winchester St., London, E. C.

Tongoy Railway.—*Line of Road:* Port of Tongoy to Tamaya (centre of Tamaya copper district), 38.50 miles. Sidings, 2.5 miles. Gauge, 3 ft. 6 in. Rail, steel, 12.5 miles, 41 lbs.; iron, 26 miles, 42 lbs. Locomotive engines (2 American, 3 English), 5. Cars—passenger, 2; freight (mineral), 175. Chilian corporation, established in 1865—to build to Cerrillos, 30.63 miles; extension to Tamaya, 10.33 miles subsequently authorized. Road built in 1866 (at which time the iron rails now in track were laid), and opened in June, 1867. Extension from Cerrillos to Ovalle, 33 kilo., projected and surveyed. Capital stock, $1,100,000, in 2,200 shares of $500 each, of which 1,353 are owned in England, and 847 in Chili. Total cost, $1,546,370. Gross earnings, about $150,000 per annum. James Lyon, *President*, Valparaiso; Sothers & Co., of Valparaiso, and G. A. Tilney & Co., of Liverpool (H10 Exchange Buildings), *Secretaries*; A. M. Guido de Vignau, *Superintendent and Engineer*; James Gas, *Superintendent Motive Power*, and F. A. Bedwell, *Book-keeper*, Tongoy, Chili.

Valparaiso Street Railway, in City of Valparaiso, 6 miles. Gauge, 8½ in. Rails (steel), 45 lbs. F. E. Kommerer, *Superintendent and Engineer*; Guillermo Lawrence, *Secretary*, Valparaiso.

Other Railroads.—In addition to the roads above described, there are short lines used in the coal mines of Coronel, Lota, Lebu and Punta Arenas.

COSTA RICA.

Costa Rica Ry. Co. (Limited).—*Lines of Railway in Operation:* Punta Limon west to Carillo, 71 miles; Punta Arenas east toward San José (the capital) to Esparta, 13 miles, and from Cartago west *via* San José to Alajuela, 26 miles—total, 110 miles. The Government of Costa Rica projected about seventeen years ago an interoceanic line to run from Punta Limon on the Atlantic to Punta Arenas on the Pacific side, a distance of 225 miles. Construction began in 1871, and three sections as above now completed. The Midland Division was opened January 19, 1872, the others in sections as completed. The Midland and Pacific Divisions are operated by the Government, the Atlantic by Minor C. Keith, under five years' lease. In 1885-86 Mr. Keith effected an arrangement between the foreign bondholders and the Costa Rican Government, the outcome of which was the formation of the Costa Rica Ry. Co., Limited, which is registered in London under the Companies Acts of 1862 to 1883. Under this arrangement, the Government agreed to transfer its railways on the completion of certain new lines, the construction of which has been undertaken by this company (one of which, a line from the completed road between Limon and Carillo up the Reventazon Valley to Cartago, a distance of 48 miles, is now under construction) for a period of ninety-nine years, free of rent or charge, and granting to the company also 800,000 acres of land. The means for the prosecution of the new works has been provided in London through the issue of £600,000 first mortgage debentures. Second mortgage debentures to amount of £660,000, and stock to amount of £1,8'0 are authorized. F. O. Smithers, *Secretary*, Dashwood House, London, E. C.; Minor C. Keith, *Manager Railway*; A. E. Brownell, *Superintendent Traffic*; Henry Cooke, *Master Machinist*, Punta Limon, Costa Rica.

CUBA.

Bay of Havana Railway.—Regla, on the Bay of Havana, eastward to Matanzas, 54 miles; extension from Matanzas to Bemba, 85 miles; branch from Regla to Guanabacoa, 3.25 miles; belt line at Matanzas, 0.5 mile; branch from Coliseo to Valle de Guamacaro, 10 miles—total, 102.75 miles. Gauge, 4 ft. 8½ in., except Valle de Guamacaro branch, which is of metre gauge (39.37 in.). Concession granted in 1857. Original title, Bay of Havana and Matanzas Ry. Co. Guanabacoa branch opened in 1858; main line fully opened between Regla and Matanzas June 14, 1861. In 1865 purchased the Coliseo Railway (Matanzas to Bemba). By agreement, dated June 20, 1883, this road became the property of the Regla Warehouse Co. and Bank of Commerce of Havana. Net earnings in 1885 were £53,117. Paid interest, £36,526. Dividends amounting to 6 per cent. on the capital stock ($3,500,000) were also paid during the year. Locomotive engines, 37. Cars—passenger, 38; baggage, etc., 5; freight, 517—total, 560. Derwent Smith, *General Manager*, Havana, Cuba.

Caibarien and Santo Espiritus Ry.—*Line of Road:* Port of Caibarien to Placetas, 56.055 kilo.; branch, 2.400 kilo.—total, 58.455 kilo. Gauge, 4 ft. 8½ in. Rail, 62½ lbs. Locomotives, 7. Cars—passenger, 11; baggage, 2; freight (box, 38; flat, etc., 56), 94—total, 107. Pablo Gamiz, *President*, Havana; Carlos Guerreo, *General Manager*, Remedios, Cuba. GENERAL OFFICE, Remedios, Cuba.

Carahotas Ry.—Completed, 4.155 kilo.; projected, 16.425 kilo. Gauge, 4 ft. 8½ in. Laureano Pequeno, Concessionary, Carahotas, Cuba.

Cardenas Sugar Mill Ry.—*Line of Road:* Cardenas to the Esperanza Sugar Mill, 6.330 kilo. GENERAL OFFICE, Cardenas, Cuba.

Central Railway of Cuba.—Projected from Santa Clara through the central part of Cuba to Santiago de Cuba.

Cienfuegos and San Diego del Valle Railroad.—Projected between the points named. Address, José E. Moré, *President*, Ferro Carril Sagua la Grande, Obispo, 28, Havana, Cuba.

Cobre Railroad.—Puerto de Sal to Cobre, Santiago de Cuba. This line was built some years ago, but for several years, until 1884, it was in disuse. In the latter year it was put in repair, and is now being operated in connection with the copper mines at Cobre.

Compañia del Ferro-Carril de Matanzas.—*Main Line:* Matanzas to Guareiras, 103 kilo.; *branches*, from Navajas to Jaguey, 35 kilo.; from Navajas to the Atraveido Works, 17 kilo.; from Guira to the Julio Works, 11 kilo.; and from Guareiras to Colon, 9 kilo.—total, 175 kilo. Gauge of main line, Jaguey and Colon branches, 4 ft. 8½ in.; other branches, 2 ft. 6 in. Rail (steel, 44 kilo.)—broad gauge, 60 lbs.; narrow gauge 35 lbs. Locomotive engines, 32. Cars—passenger, 34; baggage, 7; freight, etc., 551. The construction of this line from Matanzas to Navajas was authorized in 1839, and the first section of that line, from Matanzas to Guanabana, 12 kilo., was completed and opened in 1844. From that year forward the road was gradually extended until it was finally completed between the points named in 1849. The extension and branches were authorized and built at various dates between 1849 and 1879. Refael E. Sanchez, *President;* Laureano Angulo, *Vice-President;* Alvaro Lavastido, *Secretary;* Antonio del Solar, *Administrator;* Ygnacio O'Farrill, *General Superintendent;* Lorenzo Pineyro, *Superintendent of Traffic;* Hilario Valladares, *Superintendent of Machine Shop;* Ygnacio Vidal, *Master Carpenter.* GENERAL OFFICE, Matanzas, Cuba.

Compañia del Ferro-Carril de Sagua la Grande (Saqua La Grande RR.)—*Main Line:* Concha (Port of Saqua) to Las Cruces, connecting with the Cienfuegas and Villa Clara RR., 49.13 miles. *La Encrucejada branch*, Citlecito to La Encrucijada, 20.76 miles—total, 69.89 miles. Gauge, 4 ft. 8½ in. Rail (part steel), 57 lbs. Locomotives, 15—7 passenger, 8 freight. Cars—passenger (1st-class, 7; 2d-class, 5; 3d-class, 7), 19; baggage, 4; freight, etc., of all kinds, 260—total, 283. Cuban corporation. Capital stock, $2,481,790. Total cost of line, $2,538,103. José E. Moré, *President;* Berigno del Monte, *Secretary;* Leonardo del Monte, *Engineer;* Francisco Rosco, *General Manager;* E. A. Mántici, *Auditor.* GENERAL OFFICE, Saqua La Grande, Cuba.

Compañia del Ferro-Carril Entre Cienfuegos y Villa Clara.—*Line of Road:* Cienfuegos to Villa Clara, 68.528 kilo. Gauge, 1.44 metres. Rail (steel, 37.324 kilo.), 62 lbs. Locomotive engines, 12. Cars—passenger, 12; baggage, 2; box (8-wh.), 23; platform (8-wh.), 125; box (4-wh.), 6; stock, 2; truckery, 1—total, 170; also 8 tanks. Road opened November 19, 1860. Total cost of railroad and equipment, $2,287,265.19. Fermin de Mendiola, *President*, and Marcia Culvét, *Secretary*, Havana; Francisco A. Chao, *Superintendent*, José M. Alonzo, *Assistant Superintendent;* James S. Murray, *Chief Engineer;* Evaristo de Iduate (el Contador), *Auditor.* GENERAL OFFICE, Cienfuegos, Cuba.

Cuba, Sabanilla and Maroto Railroad.—Cuba (St. Jago) to Ste. Christo, Maroto, Sabanilla and Enramada, with branch to Caney—total length, 25 miles. Total projected length, 38 miles. Gauge, 4 ft. 8½ in. Rail, 56 lbs. Locomotives, 4. Cars—passenger, 10; freight, 34. Cuban corporation. No further information. PRINCIPAL OFFICE, Cuba, Santiago de Cuba.

Empresa de Ferro Carriles de Cardenas y Jucaro (Cardenas and Jucaro Ry. Co.)—*Main Lines:* Cardenas *via* Bemba to Montalvo (or Navajas), 43.756 kilo.; Bemba *via* St. Domingo to Esperanza, 126.937 kilo.; and Cardenas *via* Recreo and Altamisal to Aguada, 87.200 kilo. *Branches:* Recreo to Ytabo, 21.718 kilo.; Altamisal to Malagua, 32.285 kilo.; and Cardenas to Pizarro Quarries, 7 kilo. Total, main line and branches, 318.846 kilo. This road was built in sections, the first of which, from Cardenas to Bemba, was authorized May 23, 1837. In June, 1840, the first completed section of road, Cardenas to Contreras, 11.774 kilo., was opened, and from that time forward the extension of the line progressed until 1884, when the final section of authorized road, St Domingo to Esperanza, 22.522 kilo., was completed. Gauge, 1.44 metres (about 4 ft. 8½ in.). Rail (steel, 32 miles) 63 lbs. Locomotive engines, 7 (American); average weight, 25 to 35 tons; fuel, wood. Cars—passenger, 26 (8-wh.); equipage, 6 (8-wh.); freight, 450 (8 wh.); small freight, 214 (4-wh.); service, 46—total cars, 706; also 6 handcars. Maximum grade, ascending, 52.80 ft.; maximum grade, descending, 52.80 ft.; cross-ties, native hard wood. Cost of road and construction to December 31, 1885, $7,850,000. Gross earnings for year, $1,501,765.39; expenses, $556,739.29; net earnings, $945,026.10 Capital stock, $7,630,000. Average dividend, 10 per cent. José de Sarachaga, *President;* Luciam Garcia Barbou, *Vice-President;* Mariano Gobel, *Treasurer;* Guillermo Fernandez de Castro, *Secretary;* Ricardo Galbis, *General Manager and Chief Engineer;* Tomas Orbeta, *Chief Surveyor;* José M. Iturria, *Chief Roadmaster;* Manuel M. Campos, *Master Machinist;* Juan Scott, *Master Carbuilder.* GENERAL OFFICE, Cardenas, Cuba.

Ferro-Carril de Marianáo y Havana.—*Main Line:* Marianáo to Havana, 9.650 kilo.; connection with Bay of Havana Ry., 228 hecto.—total, 9.878 kilo. (6.14 miles). Gauge, 1.44 metres (4 ft. 8½ in.). Rail (steel), 60 lbs. Locomotive engines, 5. Cars—passenger, 15; baggage, etc., 2; stock, 2; platform, 5; other freight, 30. Derwent H. Smith, *General Manager;* John A. McLean, *Superintendent and Chief Engineer;* A. R. Vidal, *Traffic Superintendent.* GENERAL OFFICE, Havana, Cuba.

Ferro-Carril de Puerto Principe y Nuevitas.—*Main Line:* Puerto Principe to Nuevitas, 71.356 kilo.; Guencho, 2.334 kilo.; Harbor branch, 313 hecto—total, 74.003 kilo. (45.98 miles). Gauge, 1.44 metres (4 feet 8½ inches). Rail (steel, 21.1 miles), 56 lbs. Locomotive engines, 8—Rogers and Mason—average weight, about 25 tons; fuel, wood; cars—passenger, 3 (8-wheel); freight, 67 (8-wheel). Maximum curvature on road, 0 deg. 6 min. Maximum grade per mile, ascending, 26.4 ft.; descending, 26.4 ft.; cross-ties, jequi. Cost of construction and equipment to December 31, 1885, $1,500,000. Gross earnings for year, $177,874. Working expenses, $106,695. Net earnings, $71,179 This company was chartered in January, 1837, and is the oldest line in Spanish territory. Elpidio Marin, *President;* Juan Gurman, *Treasurer;* P. Sarrol, *Chief Engineer;* Virgilio Guerrero, *Secretary.* GENERAL OFFICE, Puerto Principe, Cuba.

Guantanamo Railroad.—*Main Line:* Caimanera (Guantanamo Bay) to Jamaica (a small village inland), 19 miles; Cuatro Caminos to Soledad, 4 miles—total, 23 miles. Rail (steel), 60 lbs. Gauge, 4 ft. 8½ in. Locomotive engines, 6. American combination wood and coal burners; average weight, 70,000 lbs.; diameter of cylinder, 14 and 15 inches, length of stroke, 18 and 22; driving wheels, 2 and 4. Passenger cars, 6; average length, 34 feet; average number of wheels, 8; baggage-cars, 8; average length, 10 feet; average number of wheels, 4. Platform cars, 32; average length, 27 feet; average number of wheels, 8. Maximum total curvature of road (radius, 1.139 metres), 17 deg. 30 min. Maximum grade, ascending, 11 metres per 1,000; descending, 10 metres per 1,000. Company chartered in 1857 and construction begun toward close of same year. In 1859 opened from Caimanera to Sta. Catalina, 20.425 kilo. In 1881 construction was begun on the extension; in 1883 it was opened, Cuatro to Caminos, 5 kilo., and in 1884 to Jamaica, 6 kilo. Total cost to December 31, 1885, $1,000,000. Gross earnings for 1885, $189,911.78; expenses, $103,034.41; net earnings, $86,877.37. Louis Brooks, *President;* Pablo Guereca, *Secretary*, Santiago de Cuba; Antonio Narino, *Treasurer;* Felipe Aguirre, *General Manager;* Walter S. Phelps, *Master of Locomotive Repairs;* N. Calderin, *Superintendent of Telegraph;* Brooks & Co., *Purchasing Agents*, Guantanamo, Cuba. PRINCIPAL OFFICE, Santiago de Cuba.

Havana City Railway.—Tramway lines in the city of Havana and to its suburbs, 21.756 kilo. Gauge, 4 ft. 8½ in. Locomotives, 5; cars 52. GENERAL OFFICE, Havana.

Havana Railroad.—*Main Line:* Havana *via* Guines to Union, 194 309 kilo.; *branches*, Riviere *via* San Antonio to Guanajay, 34.120 kilo.; San Felipe to La Playa de Batanabo, 36.796 kilo.; Guines to Matanzas, 57.950 kilo.; San Francisco de Paula to Madrugo, 6.440 kilo.—total, 238.369 kilo. (148.12 miles). Gauge, 1.44 metres (4 feet 8½ inches). Rail (steel), 60 lbs. Locomotive engines, 40. Cars—passenger, 59; baggage, 18; box, 268; platform, 255; stock, etc., 26—total, 619. This was the first line of railroad inaugurated in Cuba, the construction of the section from Havana to Guines, 72.087 kilo. having been commenced in November, 1835. Gonzalo Alfonse de Aldamo, *President;* Juan Ealo, *General Manager;* Alberto de Ximeno, *Engineer-in-Chief.* GENERAL OFFICE, Havana, Cuba. J. H. Schröder & Co., *Bankers and Financial Agents*, 144 Leadenhall Street, London, E. C.

Holguin and Gibara Railroad.—Under construction between Holguin and Gibara in Santiago de Cuba 28 miles, of which 8 miles are completed; rail (steel) 8 miles. Locomotives, 2 (American)—Baldwin—weight, 25,000 lbs; cars, passenger, 2 (8-wheel); freight, 10. Maximum total curvature on road, 800 yards. Maximum grade per mile, ascending, 1½ per 100; descending, 1½ per 100. Cross-ties, hard wood. Cost of construction and equipment to December 31, 1885, $190,000. Z. Longoria, *President;* V. Martinez, *Secretary and Treasurer;* N. P. Sancho, *General Manager and Chief Engineer.* Location of PRINCIPAL OFFICE, Gibara, Cuba.

Juragua Iron Company's Railroad.—*Line of Road:* Santiago de Cuba eastward *via* Aguadores and Juragua-cito (or Siboney) to the Juragua mines, 28 kilo. Gauge, 4ft. 8½ in. Rail (steel), 56 lbs. *Construction of Road* begun in 1883; completed and formally opened July 17, 1884. This line is a private mining road owned by the Juragua Iron Co. (Limited), and operated in connection with that company's mines at Juragua. Dr. G. B. Linderman, *President;* Frank Clements, *Superintendent.* GENERAL OFFICE, Santiago de Cuba.

Mallarquin Ry.—*Line of Road;* Las Pozas to Mallarquin, 2.750 kilo. GENERAL OFFICE, Mallarquin, Cuba.

Regla and Guanabacoa Tramway.—*Line of Road:* Regla (suburb of Havana) to Guanabacoa, 4.918 kilo. Gauge, 4 ft. 8½ in. Operated by steam power. Locomotives, 5; cars, 10. GENERAL OFFICE, Regla.

San Miguel and Baga Railway.—San Miguel de Nuevitas to Baga, 8.995 kilo. Gauge, 1.44 metres. Rail, 45 lbs. No further information. GENERAL OFFICE, San Miguel de Nuevitas, Puerto Principe, Cuba.

Sierra Morena Ry.—*Line of Road:* Sierra Morena to the River Warehouse, 5.385 kilo. GENERAL OFFICE, Sierra Morena, Cuba.

Trinidad Railway.—*Line of Road, as projected:* Puerto de Casilda *via* Trinidad to Sancti Spiritus, 88.497 kilo. Completed from Puerto de Casilda *via* Trinidad to Guinia de Soto, a point 29.630 kilo. northward. Gauge, 1.44 metres. Rail (steel, 14 kilo.), 40 lbs. Locomotive engines, 2. Cars—passenger, 3; baggage, 1; freight, 39. Joaquin de Solar, *General Manager*, Trinidad, Cuba.

Tunos and Santo Espiritus Ry.—*Line of Road:* Tunos (south side of Cuba), northward to Santo Espiritus, 38 623 kilo. Gauge, 4 ft. 8½ in. Rail, 56 lbs. Locomotive engines, 5. Cars—passenger, 6; baggage, 2; freight, etc., 25—total, 33. GENERAL OFFICE, Tunas, Cuba.

Western Ry.—*Line of Road:* Havana to Pinar del Rio, 128.568 kilo. Gauge, 4 ft. 8½ in. Rail (part steel), 56 to 64 lbs. Locomotives, 21. Cars—passenger, 26; baggage, 5; freight, etc., 200—total, 231. Total projected length, 177.621 kilo.; completed as above. Cuban corporation. No further information. GENERAL OFFICE, Havana.

ECUADOR.

Guayaquil Tramway.—Running to various points in the city, 4 miles. GENERAL OFFICE, Guayaquil.

Ibarra and St. Lorenzo RR.—Projected line of road from Ibarra to the port of St. Lorenzo, about 30 leagues. Concession for 99 years. Guarantee 6 per cent. Line reverts to Government at expiration of 99 years.

Yaguachi RR.—*Line of Road completed:* Yaguachi, on the Guayaquil River (3 hours from Port of Guayaquil), north to Chimbo, 44 miles. *Extension under construction:* Chimbo to Sibambe, 49 miles. This line is the only railroad in operation in Ecuador. Owned by the Government; construction begun in 1872; opened to present terminus in 1877. It is the intention to push the line to Quito, the capital, on the north and to Guayaquil on the south, making its total length 270 miles. New line will be laid with 30 lb. steel rails throughout. Maximum curvature new line, 40 metres; maximum grade 3 per cent. Locomotive engines, 5—2 Baldwin, 2 Porter, 1 Grant; average weight, 50,000 lbs. A line of telegraph over this route to Quito was completed in August, 1884. Mark J. Kelley, *President and Contractor;* John Dubois, *Secretary;* F. G. Cordova, *Treasurer;* W. Biggins, *Acting Superintendent* Section A; A. Bejarano, *Traffic Manager;* M. A. Vina and F. Arancivia, *Chief Engineers;* B. Adamson, *Master of Track Repairs;* G. H. Meaking, *Master of Locomotive Repairs.* GENERAL OFFICE, Guayaquil, Ecuador.

GUATEMALA.

Champerico RR.—Port of Champerico to Retalhulen, 30 miles. Gauge, 1 metre. Opened in December, 1883. Thomas Bell, *President*, San Francisco, Cal.

Ferro Carril del Norte de Guatemala.—Projected from Santo Tomas (Puerto Barrios) to Guatemala, 217 miles. In 1883 the construction of this line was decreed by the Government of Guatemala and levied on the inhabitants to provide the funds. In December of 1883 the work of construction was begun at Santo Tomas, and 4 miles of track were laid; but owing in part to the unsettled condition of the country and in part to the financial embarrassments of the contractors, the work was shortly after suspended.

Guatemala Central RR.—*Line of Road:* San José de Guatá to Guatemala City, 72 miles. Gauge, 1 metre (39.37 inches), with privilege to change to 3 feet. Rail, 50 lbs. Locomotive engines, 5. Cars—passenger, 6; freight, 16. This company was organized under the laws of California, and is a consolidation, October 20, 1885, of Guatemala Central RR. Co. and the Central American and Pacific Ry. and Transportation Co. The former of these was chartered in California October 12, 1878, and completed its line of railroad from San José de Guatá to Escuintla, 28 miles, June 20, 1880; the Central American and Pacific was chartered May 23, 1882, and its road from Escuintla to Guatemala was opened in September, 1884. Total cost about $1,500,000. A branch of this line from Amatitan to La Antigua is projected. Minimum radius of curvature, 600 ft. Steepest grade, 4½ per cent. Highest elevation, 5,019 ft. C. F. Crocker, *President;* Timothy Hopkins, *Vice-President;* G. L. Lansing, *Secretary;* F. S. Douty, *Treasurer*, San Francisco, Cal.; A. J. Finlay, *General Manager*, Guatemala City, Guat. GENERAL OFFICE, San Francisco, Cal.

HAWAIIAN ISLANDS.

Hawaiian RR. (Island of Hawaii).—*Line of Road:* Mahukona to Niulii, 20 miles. Sidings, 1.5 miles; gauge, narrow; rail, steel. Locomotives, 3 (1 English, 2 American); average weight, English, 6, American, 9 tons; fuel, soft coal. Cars—passenger, 4 (4-wheel); freight, platform, 7 (8-wheel); 35 side-board (4-wheel)

—total number of cars, 46. Cross-ties, California redwood. Maximum curvature on road, over half, 70 deg. Maximum grade per mile, ascending, 116 ft. Cost of construction and equipment to December 31, 1885, $77,500. Gross earnings for year, $44,500. Expenses, $24,500. Net earnings, $20,000. Capital stock, $250,000. Samuel G. Wilder, *President;* Charles E. Wight, *Secretary and General Manager;* W. C. Wilder, *Treasurer.* LOCATION OF PRINCIPAL OFFICE, Honolulu.

Kahului RR. (Island of Maui).—*Line of Road:* Kahului to Wailuku, 3 miles. Branches, Kahului to Paia, 7 miles; to Spreckelville, 1 mile. Gauge, narrow. Locomotives, 2 (American); weight, 8 tons; fuel, soft coal. Cars—passenger, 2 (4-wheel); freight, 6 platform (8-wheel), 30 side-board (4-wheel)—total number of cars, 38. Maximum total of curvature on road, 20 deg. Maximum grade per mile, ascending, 165 ft.; descending, 165 ft. Cross-ties, redwood. Cost of construction and equipment to December 31, 1885, $75,000. Gross earnings for year, $60,000. Expenses, $35,000. Net earnings, $25,000. Samuel G. Wilder, *President;* S. B. Rose, *Secretary;* W. C. Wilder, *Treasurer;* W. J. Lowrie, *General Manager;* G. P. Wilder, *Assistant Manager.* LOCATION OF PRINCIPAL OFFICE, Honolulu.

HAYTI (West Indies).

Area—Republic of Hayti, 10,204 miles; Republic of San Domingo, 18,045. Population, Hayti, estimated from 572,000 to 800,000; San Domingo, from 350,000 to 400,000. No railways. In Port au Prince, capital of Hayti, is a street railway, 4 miles in length. C. Ludmann, *President and Treasurer,* 4 South William Street, New York; R. J. Crain, Port au Prince, *Superintendent.*

HONDURAS.

Honduras Central RR.—Projected from Truxillo to Jutecalpo, 200 miles, and thence to the Bay of Fonseca on the Pacific side. Concession owned by a New York syndicate. W. W. Hungerford, *Chief Engineer.*

Honduras North Coast Railway and Improvement Co.—In July, 1884, this company received a concession, accompanied by a valuable land grant, estimated at 1,000,000 acres, for the construction of a line of railroad from Truxillo to Puerto Cortes, about 150 miles, with power to extend to the Guatemala boundary line. Preliminary survey completed March 20, 1885; construction begun July 8, 1885. Gauge, 3 ft. Estimated cost, $1,342,981, to be met by an issue of 6 per cent. bonds to the amount of $2,500,000, the excess to be used in equipping the road. S. B. McConnico, *President;* John C. Febiger, Jr., *Vice-President;* R. S. Charles, *Secretary and Treasurer.* OFFICE, New Orleans, La., and Truxillo, Hond.

Honduras Ry.—*In operation* from Puerto Cortes to St. Jago, 37 miles. This line was projected some years ago, under authority of a concession granted by the Government of Honduras, as an interoceanic line from Puerto Cortes to the Bay of Fonseca, and its construction was begun by a British company. On September 25, 1871, it was opened as above, and subsequently was extended to San Pedro Sula, a total distance of 69 miles. The company becoming embarrassed, the construction of the road was abandoned and the completed portion sold to Colonel William Snyder, by whom the section to St. Jago is worked.

Truxillo and Roman River RR.—Projected from Truxillo to Roman River, 20 miles, with power to extend beyond that point up the Arenal Valley. Concession owned by William H. Warner, M. O. Sheldon and H. K. Wheeler, of New York.

JAMAICA (West Indies).

(British dependency; acquired 1629-55. Area, including small islands, 4,362 square miles. Population, 1881, 545,536—about four-fifths negroes). Railway.—*Main Line:* Spanishtown to Old Harbor, 23 miles; *Branch,* Spanishtown to Angella, 4 miles; *Extensions,* Old Harbor to Porus, 26 miles; Spanishtown to Ewarton, 22 miles—total length completed, 75 miles. Gauge, 4 ft. 8½ in. Rail, steel. Wrought iron bridges. English-built equipment. Road originally owned by British corporation: now owned by Government. Cost about $15,000 per mile. Opened from Kingston to Spanishtown, 13 miles, and to Angella, 4 miles, November 21, 1845; from Kingston to Old Harbor, 10 miles, July 1, 1879, and to Porus and Ewarton, February 26, 1885. Gross earnings, about £40,000; net earnings, about £20,000. J. R. Man, *Director;* V. G. Bell, *Chief Resident Engineer;* L. F. Mackinnon, *Manager,* Kingston, Jamaica.

NICARAGUA.

San Juan del Sur Rivas and San Jorge Ry.—Projected line by the Government from San Juan del Sur *via* Rivas to San Jorge on Lake Nicaragua. No work yet done.

Nicaragua RR.—*Line of Road:* Corinto (on Pacific Coast) to Momotombo (on Lake Managua), 58 miles. *Extension:* Managua (on Lake Managua) to Granada (on Lake Nicaragua), 32 miles. Gauge, 3 ft. 6 in. Rail—Corinto to Chinandega, 12.5 miles, iron, 40 lbs.; Chinandega to Momotombo, 45.5 miles, and Managua to Granada, 32 miles, steel, 40 lbs. Maximum grades, 1½ per cent. Maximum curves, 600 ft. radius. This road is owned by the Nicaragua Government and operated under the general direction of the Minister of Public Works, Mr. José Chamorro. The construction of the first section (Corinto to Momotombo) was begun in 1879 and completed in December, 1883. It was opened for business according as the work progressed. The second section (Managua, the capital, to Granada) was opened March 1, 1886. On Lake Managua steamboat connection is made between the two sections of the road and from Granada, the terminus of the second section, connection is made by way of Lake Nicaragua and the San Juan River with San Juan del Norte (Greytown), the whole forming an interoceanic route. The freight consists of cedar, dye-woods, coffee, hides, deer-skins, rubber, sugar, etc. *Rolling Stock*—On First Division: Locomotive engines, 6. Cars—passenger, 7; box ("covered"), 4; platform, 50; hand and push, 10. On Second Division: Locomotive engines, 5. Cars—passenger, 5; baggage, 1; box, 2; flat, 40. During the year ending December 31, 1885, the net earnings equalled 4.75 per cent. of capital, and cost of maintenance was 55 per cent. of gross earnings. José Chamorro, *Minister of Public Works;* William Cooke, *General Superintendent;* William Simpson, *Secretary;* Adam Boza, *Treasurer and Purchasing Agent;* Samuel Senie, *Traffic Manager;* M. Sonnestern, *Chief Engineer;* Charles Teller, *Master of Transportation;* Dudley Sampson, *Master of Roadway;* Pedro Burlett, *Master Car Builder;* J. Guay, *Master Locomotive Repairs;* A. Carton, *Superintendent Telegraph.* Repair shops located at Ameya, Nic. GENERAL OFFICE, Managua, Nic.

MEXICO.

Cardenas Ry.—*Line of Road:* Villa de Cardenas to El Ingenio (Nueva Xelandria) on the left bank of the Gryalva River, in the State of Tabasco. Completed, 6.360 kilo.

Cordova Street Ry.—In the City of Cordova, 2 miles. Gauge, 3 ft. 10 in. Rail, 35 lbs. M 6. José Antonio Cabral, *Manager*, Cordova, Mex.

District Street Railway Company of the City of Mexico (*Compañia Limitd Carriles del Distrito*). This company owns and operated in the City of Mexico and running t.. suburbs 125 kilo. of standard gauge (4 ft. 8½ in.) and 22 kilo. of narrow gauge (3 ft.) tramway lines. Rail, 30 to 70 lbs. Mules and horses, 1,500. Cars—passenger, 1st-class, 139; 2d-class, 65; funeral, 26; flat and box, 65; carts, 25—total, 321. Capital, $5.000,000. Passengers carried, average 9,000,000 annually. In 1878 there were carried 4,605,223. Gross earnings were $276,322, and expenses, 46 per cent.; in 1879, passengers, 5,094 669; earnings, $298,744; expenses, 55 per cent.; in 1880, passengers, 5,882,071; earnings, $478,636; expenses, 54.8 per cent; in 1881, passengers, 6,668,979; earnings, $675,307; expenses, 52.56 per cent; in 1882, passengers, 9,184,846; earnings, $764,453; expenses, 51.83 per cent. In December, 1885, the company declared its seventh dividend, being at the rate of 1½ per cent. F. P. de Castillo, *Administrator General*; Juan Mendoza y Roca, *Engineer*; A. Lopez, *Traffic Manager*. GENERAL OFFICE, Calle de Betlemetas, 12 City of Mexico.

Ferro-Carril de Campeche á Calkini. *Line of Road:* Campeche to Calkini, 42 miles; branches, Campeche to Lerma, 5 miles, and Tenabo to Hacelchacan, 10 miles. Main line under construction; branches completed. Gauge, 3 feet. Rail (steel), 40 lbs. Concession dated February 23, 1881. Federal subsidy, $9,660 per mile, or $447,020 in all. At Calkini this line will connect with the Merida and Calkini RR. Concessionary and sole owner of this line, José Mendez Estrada, who issued to the State of Campeche 50 shares of stock of $1,000 each in consideration for such concession. GENERAL OFFICE, Campeche.

Ferro-Carril de Hidalgo.—*Main Line:* Yrolo to Pachuca, 37 miles; *branches:* Teoloyucan to Tizayuca, 15 miles, and Tepa to Santa Maria, 8 miles—total 60 miles; sidings, 2 miles. Gauge, 3 feet. Rail (steel), 40 lbs. per yard. Maximum total curvature, 4 deg. 45 min.; maximum grade, ascending, 90 ft.; descending, 65 ft.; cross-ties, pine. Locomotive engines, 2 (Baldwin); average weight, 38,000 lbs.; fuel, oak; diameter of cylinder, 11 in.; length of stroke, 16 in.; driving wheels, 4; diameter, 42 in. Cars—passenger, 10; average length, 24 feet; average number wheels, 8; baggage and mail, 3; average length, 18 ft.; average number wheels, 4; box, 8; average length, 20 ft.; average capacity, 23,000 lbs.; average weight, 10,000 lbs; average number wheels, 8; platform, 40; average length, 30 feet; average number wheels, 8. Gabriel Mancera, *President*, Rafael Lopez de Anaya, *Secretary and Treasurer*, Mexico City; José G. De San Vicente, *Traffic Manager*; Antonio Caso, *Engineer*, Pachuca, Mex. PRINCIPAL OFFICE, 20 Medinas Street, Mexico City.

Ferro-Carril de Merida á Calkini.—*Line of Road:* Merida to Calkini and Celestino, 102 miles. Concession dated September 14, 1880. Federal subsidy, $12,880 per mile—total, $1,320,000. Completed from Merida to Chochola, 84 kilo. Opened from Merida to Uman, April 2, 1888; to Hacienda Poxilla, November 25, 1883, and to Chochola, August 2, 1884. Under construction to Calkini, where connection will be made with the Campeche and Calkini RR. of Campeche. Gauge, 3 feet. Rail (steel), 40 lbs. Locomotive, 1 Baldwin. Cars—3 passenger and 5 freight of 10-ton capacity. Manuel Romero Ancona, *Director General*, Plaz de la Independencia, 2, Merida, Yucatan; Olegario G. Canton, *Engineer-in-Chief*, Calle Porfirio Diaz, P., Merida; Vicente Solis, *Inspecting Engineer*, Calle Porfirio Diaz, 18, Merida; Juan Cervera, *Representative of Federal Government*, Merida; Juan Castellanos, *Secretary*, Merida; Rudolfo G. Canton, Vocal, Merida; José B. Diaz, *Chief of Machinery*, Calle de Pasos, 27, Merida. GENERAL OFFICE, Merida.

Ferro-Carril de Merida á Peto.—*Line of Road:* Merida to Peto (Yucatan), 160 kilometres. Gauge, 3 feet. Rail (steel), 40 lbs. and 10 yds. each. Ties two feet apart, 15 to the rail. The concession for this railroad was granted by the Federal Government of Mexico to the Governor of the State of Yucatan by decree, dated March 27, 1878. Under his direction four kilometres were built and constructive operations were then suspended, the concession being subsequently transferred to its present owners, Rudolfo G. and Olegario G. Canton. In aid of this line the Federal Government granted a subsidy of $12,880 per mile, the total amount being about $1,200,000. Of the projected line 70 kilometres, Merida to Tiscal, has been completed and brought into operation, as follows: Merida to Kanasin, 8 kilo., May 25, 1880; Kanasin to Acanceh, 17 kilo., September 16, 1881; Acanceh to Tecoh, 8 kilo., February 2, 1883; Tecoh to Lepan, 5 kilo., December 31, 1883; Lepan to Kilometre 45, 7 kilo., April 16, 1884; Kilometre 45 to Tical, 25 kilo., May 5, 1885. The territory through which this line passes is very irregular, but is very fertile, and possesses an abundant supply of valuable timber. Equipment—2 Baldwin locomotives and 8 passenger, 4 box and 4 flat cars made by J. G. Brill & Co. In 1883 (on an average of about 33 kilometres) passengers carried, 88,920; freight moved, 5,634 T. 115 ks. Gross receipts, $19,255.54. *Officers:* Rudolfo G. Canton, *Director General*, Parque Hidalgo, 12, Merida, Yucatan; Olegario G. Canton, *Engineer-in-Chief*, Calle Porfirio Diaz, P., Merida; David Cesares, *Inspecting Engineer*, Calle de Regl. Estrada, 42, Merida; Waldemaro G. Canton, *Representative in Mexico*, Calle de Tacuba, Altos: José B. Diaz, *Chief of Machinery*, Calle de Pasos, 27, Merida. GENERAL OFFICE, Merida.

Ferro-Carril de Merida á Progreso.—*Line of Road:* Merida to Progreso, 36 kilo. Gauge, 3 ft. Rails (steel, 18 kilo.), 60 lbs. Iron-wood cross-ties. Locomotive engines, 9—6 American, 3 English. Cars: passenger, 6; baggage and mail, 1; box, 50; average capacity, 1,000 lbs.; platform, 8. Average length of all cars, 30 ft.; average capacity, 15 tons, and average number of wheels, 8. Gross earnings for last fiscal year, $160,000; expenses, $70.000. Net earnings, $90.000. Concession dated April 10, 1874. Federal subsidy, $9,660 per mile, or $270,000 in all. Construction began in July, 1873; road completed and opened September 15, 1882. Total cost, $800,000. Jose Rendon Peniche, *Director-General and Proprietor*; O. Molina, *General Superintendent*; R. Hernandez, Escudero, *Treasurer*; M. Castro, *Superintendent of Track Repairs*; Vicente Moreno, *Master Car Builder*; Gonralo Ruiz, *Chief of Machinery*. PRINCIPAL OFFICE, Merida, Yucatan.

Ferro-Carril de Merida á Valladolid.—*Line of Road:* Merida to Valladolid, 106 miles; branch from Conkal to Progreso, 30 miles. Main line completed from Merida to Nolo, 27 kilo.; branch completed, 15 kilo. in 1884 and to Progreso in April, 1886, being formally opened May 5, 1886; remainder of main line under construction. Gauge, 3 ft. Rail (steel), 40 lbs. Locomotive engines, 1 Baldwin. Cars—passenger, 9; box, 4; platform, 2. Concession dated December 15, 1880. Federal subsidy, $9,660 per mile, or $1,023,960 in all. Road opened from Merida to Conkal, 17 kilo., May 5, 1883; to Nolo, April 20, 1884. Gen. Francisco Canton, *Director-General and Sole Proprietor*; N. Rubio, Alpuche, *Counsellor*; Antonio Espinosa, *Engineer*; Rafael Quintera, *Official Government Inspector*. GENERAL OFFICE, Merida, Yucatan.

Ferro-Carril Nacional de Tehuacan a Esperanza (Tehuacan and Esperanza RR.). *Line of Road:* Esperanza, State of Puebla (where connection is made with the Mexican RR.), south to Tehuacan, State of Puebla, 50 kilo. Gauge, 4 ft. 8½ in. Rail (steel), 30 lbs. per yard, and 28 feet each. Chartered September 15, 1877; construction begun January 1, 1878; road completed and opened January 8, 1880. This road was built chiefly to carry the products of the country through which it passes—sugar, indigo, cochenille, goat skins, buck skins, coffee, tropical fruits, Indian corn and tanned leathers. In 1882 a rich quarry of Mexican onyx was discovered near Tehuacan, and is now being developed by a company composed in part of the leading officials of this line. It is said that this mine adds greatly to the traffic of the road. Between Tehuacan and Esperanza the difference in level is 978 metres, the maximum grade being 5 per cent. Sharpest curvature, 28 metres diameter. Road worked by mule power, the use of locomotives being very expensive, and consequently considered impracticable. Mules, 200. Passenger cars (John Stephenson & Co.)—1st, 2d and 3d-class, 24. Baggage, box and flat cars, 40. Total cost of road, $350,000. Operating cost, 65 per cent. of gross earnings. Net earnings average 10 per cent. on cost. *Extension:* A concession for an exten-

sion of this line to a point 80 kilo. south of Esperanza has been granted, but no steps toward its construction have yet been taken. Fernando de M. Campos, *Administrator General*, City of Mexico; Juan J. Merino, *Auditor*; Carlos Borgatta, *Traffic Agent*; Celso Guadalajara, *Passenger and Freight Agent*. GENERAL OFFICE, Tehuacan, Mex.

Ferro-Carril Nacional Del Istmo de Tehuantepec.—Length of road, 79 kilo. Gauge, 4 ft. 8½ in. Locomotive engines, 5. Cars—passenger, freight, etc., 30. Don Delfin Sanchez, *Commissionario*, Mexico, Mex.; Don Juan Cobo y Sierra, *General Manager*; Alexandro Prelto, *Jefe del Commission de Ingnieros*, Tehuantepec, Mex.; M. Mirraflores, *Assistant Engineer*, Tehuantepec, Mex.; José Ma Sanchez, *Secretary, Treasurer and Auditor*, Mexico, Mex.; Pedro Unamé, *Master Mechanic*, Tehuantepec, Mex.

Ferro-Carril Nacional de San Martin Texmelucan Ry.—*Line of Road*: Puebla toward San Martin Texmelucan, 29,143 kilo. Formerly owned by the Federal Government, but in January, 1886, sold to the Acapulco, Morelos, Mexico, Irolo and Vera Cruz Interoceanic Railroad Co. (see above), which agrees to complete the line.

Ferro-Carril Urbano de Matamoras y Santa Cruz.—*Length of Road*: 3½ miles. Double track. Gauge, 4 ft. 11 in. Rail, 36 lbs. Cars—passenger, 8. Cars—freight, 5. Mules, etc., 100. Francisco Armendiaz, *Owner*, Matamoras.

Interoceanic Railway of Acapulco and Vera Cruz.—Projected to run from Acapulco on the Pacific Ocean to Vera Cruz on the Atlantic, passing through the cities of Morelos, Yautepec, Amacusac, Mexico, Irolo, Calpulalpam, San Martin, Vireyes, Perote and Jalapa; with branches from Vireyes to San Juan de los Llanos, from San Lorenzo to San Nicolas, and from Yautepec to Cuernavaca. For fifteen years the company may import free of all duties, federal or local, material for the construction and operation and rolling-stock. The company is obliged to build at least 50 kilometres of track each year, beginning July 1, 1887, over and above the 467 kilometres already built, as follows: Mexico to San Martin *via* Irolo, 123.607 kilo.; San Martin to Puebla, acquired by the coal company, 37 kilo.; Puebla to Jalapa *via* Vireyes and Perote, 89.700 kilo.; Vera Cruz to Jalapa, 25 kilo.; Mexico to Yautepec, 158.285 kilo.—total, 433.532 kilo. *Branches*: San Lorenzo to San Nicolas, 22.276 kilo.; Vireyes to San Juan de los Llanos, 11.300 kilo.—total of branches, 33.576 kilo. Total of all lines, 467.108 kilo. The company must finish said lines within the maximum term of twelve years, counting from July 1, 1887. This company has purchased the *Puebla and San Marcos R.R.*, running from Puebla to San Marcos, a station on the Mexican Ry., and has under construction a connection from La Luz to Vireyes on the Puebla road. Control also acquired, in 1884, of the *Mexican Carboniferous R.R.*, projected from Puebla south to coal-fields. In 1886 the Government sold this company the Puebla and San Martin Texmelacan Ry., running from Puebla to San Martin, 15 miles, with the stipulation that the road is to be speedily completed. Gauge, 3 ft. Rail (steel), 40 lbs. Equipment in service and contracted for: Locomotive engines, 25; passenger cars, 40; freight cars, 400. The equipment, rails, etc., are chiefly purchased in Belgium and Germany. Locomotives of American model. The road is being built under authority of several concessions granted at various times, all of which have been consolidated into one. Delfin Sanchez, *Director-General*; D. De Peon Gensal, *Superintendent*. GENERAL OFFICE, 14 Calle de San Agustin, Mexico City, Mex.

Merida Street Ry.—Rudolfo G. Canton, *Proprietor*.

Mexican Central Railway Company (Limited).

(See also POOR'S MANUAL OF RAILROADS.)

Levi C. Wade	*President*.	Boston, Mass.	Thos. Nickerson	*Asst. to Pres*	Boston, Mass.
Robert R. Symon	*Vice-President*.	New York.	M. H. King	*Commer. Ag.*	Grand Pacific Hotel Building, Chicago, Ill.
S. W. Reynolds	*Clerk & Treas.*	Boston, Mass.			
J. H. Goodspeed	*Gen. Auditor*	" "			

GENERAL OFFICES, No. 70 Kilby Street, Boston, Mass.

Edward W. Jackson	*Gen. Manager*.	Mexico, Mex.	G. T. Jarvis	*Supt. 1st Div.*	Mexico.
D. Mackenzie	*Gen. Supt*	" "	S. B. Burton	*Supt. 2d Div*	Silao.
A. C. Michaelis	*G. F. & P. A.*	" "	V. I. Jackson	*Supt. 3d Div*	Jimulco.
George F. Mayer	*Auditor*	" "	R. E. Comfort	*Supt. 4th Div.*	Paso del Norte.
Charles A. Browne	*Asst. Treas.*	" "	R. C. Russell	*Gen. Mat. Agt.*	Mexico, Mex.
F. W. Johnstone	*Sup. Mo. P. & M.*	" "	G. W. Keeler	*Gen. East. Agt.*	261 Broadway, NY

GENERAL OFFICES, Mexico City, Mex. Address all mail to El Paso, Texas.

Tampico Division.—OFFICES, Tampico, Mexico.

Edward A. Whorf | *Superintend't* | San Luis Potosi. | A. S. Burdette | *Cashier* | Tampico, Mex.

San Blas Division.—OFFICES, San Blas, Mexico.

J. E. Early | *Chief Engin'r* | San Blas, Mex.

Mexican International Railroad.—Projected from Piedras Nagras to the City of Mexico, with branches from main line east to Gulf of Mexico and west to Pacific Ocean—total length, 1,542 kilo. Completed from Piedras Nagras to Castano, 163 miles. Extension from Castana to Villa Lerdo now under construction. Gauge, 4 ft. 8½ in. Rail (steel), 60 lbs. This line is known popularly as the "Huntington" road. At Piedras Nagras connection is made with the Eagle Pass Branch of Galveston, Harrisburg, and San Antonio Ry. by an iron bridge over the Rio Grande, 980 feet in length, exclusive of approaches. Maximum grade does not exceed one per cent., or 52.8 feet to a mile. Concession dated June 7, 1881. No subsidy. C. P. Huntington, *President*, New York City.

Mexican National Railway.

(See also POOR'S MANUAL OF RAILROADS.)

Wm. J. Palmer	*President*	New York.	W. W. Mayberry	*Asst. Supt. Mat. Div.*	Matamoras, Mex.
D. C. Dodge	*1st Vice-Pres*	City of Mexico.	W. R. Chisholm	*Asst. Supt. Gal. Div.*	Galveston, Tex.
Edward Lewis	*2d Vice-Pres*	New York.	H. H. Filley	*Chief Eng. So. Gen. Div.*	City of Mexico.
Wm. M. Spackman	*Treasurer*	"	Henry P. Webb	*Cash. & Aud. So. Gen. Div.*	" "
John Pratt	*Secretary*	"	Walter Morcom	*G. F. & P. A. So. Gen. Div.*	" "
B. W. Thacher	*Cash & Aud. No. Gen. Div.*	Laredo, Tex.	R. C. Peebles	*Sup. So Gen Div*	" "
L. W. Stevenson	*G. F. & P. A. No. Gen. Div.*	" "	W. S. Kyle	*Sup. Zac. Div.*	Zacatecas, Mex.
C. A. Merriam	*Gen. Sup. No. Gen. Div.*	" "	R. M. Stadden	*Sup. Col. Div.*	Manzanillo, Mex.
E. A. Handy	*Eng. M. of W. No. Gen. Div.*	" "			

GENERAL OFFICES, 52 Nassau Street, New York.

Mexican Railway Company (Limited). (See also POOR'S MANUAL OF RAILROADS.)—*Line of Road:* City of Mexico to Vera Cruz, 264 miles; branch, Apizaco to Puebla, 29 miles—total, 293 miles. This company also operates the Jalapa line, from Jalapa to Vera Cruz, 70.75 miles. Sidings, 15 miles. Thos. C. Sandars, *President*, London, Eng.; *Secretary*, Jno. T. Denniston; *Consulting Engineer in England*, A. M. Rendel, 8 Great George Street, Westminster, S. W. GENERAL OFFICES, Buena Vista Station, Mexico, and 45 New Broad Street, London, Eng.

Jalapa Branch.—Completed from junction with the main line, 9½ miles west of Vera Cruz, to Jalapa, 61¼ miles. Worked by mule and horse power.

Nautla and San Marcos Ry.—*Line of Road authorized:* Bar of Nautla (on Gulf Coast, between Vera Cruz and Tuxpan) to San Marcos (on Mexican Railway), 111 miles; completed 4 miles. Gauge, standard. Concession dated June 25, 1881. Federal subsidy, $9,660 per mile, or $1,072,260 in all.

Puebla and Izucar de Matamoras RR.—*Line of Road:* Puebla to Izucar, 37 miles. Gauge, narrow. Concession dated May 6, 1878. Federal subsidy, $12,880 per mile, or $480,000 in all. GENERAL OFFICE, Puebla.

Puebla and San Marcos RR., 57 kilometres; gauge, 3 ft. Concession dated September 14, 1880; subsidy, $12,880 per mile, or $480,000 in all. *See* Acapulco, Morelos, Mexico, Yrolo and Vera Cruz Interoceanic RR.

Sinaloa and Durango RR. Co.—Altata, Mex., to Cuhacan, Mex., 38.5 miles. Gauge, 4 ft. 8½ in. Locomotives, 2. Cars—passenger, 1; freight and miscellaneous, 28. Robert R. Symon, *Vice-President and General Manager*, New York, N. Y., and London, Eng.; George R. Douglass, *General Superintendent and Purchasing Agent*, Culiacan, Sinaloa, Mexico; S. W. Richardson, *Treasurer;* F. E. James, *Clerk*, Boston, Mass.; Frank Hawley, *Roadmaster*, Altata, Mexico. (See also POOR'S MANUAL.)

Sonora Railway.

See Atchison, Topeka and Santa Fé Railroad System—List No. 1.

Texas, Topolobampo and Pacific RR. (American and Mexican Pacific Railway Co.)—Projected from Topolobampo (Gulf of California) to Piedras Negras (on the Rio Grande, opposite Eagle Pass, Texas), with branches to Presidio del Morte to Alamos and to Mazatlan. Total length of all projected lines about 2,000 miles. Gauge, standard. Concession dated June 22, 1880. Company organized in March, 1881, under the name of Texas, Topolobampo and Pacific RR. Co. In 1883 name changed to American and Mexican Pacific Ry. Co. Government subsidy, $16,000 per mile. *Directors:* William Windom, Charles M. Loring, Minnesota; U. S. Grant, Jr., Elisha A. Buck, New York; John H. Rice, Alexander R. Shepherd, District of Columbia; Albert K. Owen, Benjamin R. Carman, Pennsylvania; F. O. Prince, B. F. Butler, George W. Simmons, Ernest W. Cushing, Massachusetts; David L. Yulee, Florida; Joseph E. Brown, Georgia. *Officers:* William Windom, *President;* Elisha A. Buck, *Vice-President;* John H. Rice, *Secretary and Treasurer;* William K. Rogers, *Attorney;* A. R. Owen, *Chief Engineer;* F. E. Goodrich, *Clerk*. GENERAL OFFICE, 42 Wall Street, New York. Mexican *Officers and Directors:* M. Romero Rubio, *Attorney and Business Agent;* Carlos J. Moreno, *Government Engineer;* Ramon Fernandes and Francisco M. de Prida, *Directors;* Francisco Bulnes, *Government Director;* all of the City of Mexico.

Tresnillo and Santa Rosalia RR.—*Line of Road* projected and partially completed from Tresnillo to Rosalia, about 350 miles. No further information.

Vera Cruz, Anton Lizardo and Alvarado RR.—*Line of Road:* Vera Cruz to Alvarado, 34 miles. Concession dated March 26, 1878. Extension authorized to be constructed from San Juan River to Isthmus of Tehuantepec, in State of Vera Cruz, 84 miles. Federal subsidy, $12,880 per mile, or $1,530,000 in all. GENERAL OFFICE, Vera Cruz.

PARAGUAY.

Ferro-Carril de Asuncion a Paraguari.—*Line of Road:* Asuncion to Paraguari, 72 kilo. (45 miles). Gauge, 5 ft. 6 in. Rail, 65 lbs. Cars, 50. Locomotives, 5. This railroad was built by the Government of Paraguay, and opened for business October 1, 1863. The original intention was to carry the line to Villa Rica, the most important interior town in the republic. Juan de F. Travassos, *Director*. E. Correa, *Manager*. GENERAL OFFICE, Asuncion.

Tramway de la Cuidad de la Asuncion.—1 mile. Gauge, 4 ft. 8½ in.; rail, 40 lbs.; 6 cars; animal traction. Wm. Woodgate & Co., Buenos Ayres, *Owners*. James Nelson Horrocks, *Manager*, Asuncion.

PERU.

Arequipa, Puno and Cuzco Ry.—*Lines of Road: Coast Division*, Mollendo to Arequipa, 173 kilo.; *Puno Division*, Arequipa to Puno, 351 kilo.; *Cuzco Divison*, Juliaca to Sta. Rosa, 132 kilo.—total, 655 kilo. Sidings, etc., 67 kilo. Gauge, 4 ft. 8½ in. Rail (iron), 60 lbs. Locomotive engines, 52 (Rogers, Baldwin, Danforth); mogul, 18 x 22 cy.; 36-in. wheels, 6 coupled. Cars—passenger, 30 (8-wheel); baggage and mail, 10 (45 ft., 8-wh.); freight—box, 200 (32 ft., 8-wh.; capacity, 20,000 lbs., weight, 17,500 lbs.); platform, 300 (32 ft., 8-wh.). Maximum grade, 211 ft. per mile. Shortest radius of curves, 352 feet. Highest elevation above level of sea, 14,666 feet; lowest, 6 ft. Construction commenced in 1868. Coast Division opened in 1871; Puno Division in 1874; Cuzco Division in 1876. Owned by the Peruvian Government and leased and operated by John L. Thorndike, of New York, and Lima, Peru; a line of steamers running on Lake Titicaca, from Puno to Chillayo, Bolivia, 120 miles, is operated in connection with this road by the lessee. José Manuel Brann, *General Superintendent;* V. H. MacCord, *General Traffic Manager and Superintendent Telegraph;* J. C. Beaumont, *Superintendent Machine and Motive Power;* J. F. Ayres, *Train Dispatcher;* F. Mendez, *Chief Engineer;* P. Hawley, *Superintendent Track and Bridge;* A. C. Clark, *Master Car Builder*. GENERAL OFFICE, Arequipa, Peru.

Callao, Lima and Oroya RR.—*Line of Road:* Port of Callao to Chicla, 86.5 miles. Gauge, 4 ft. 8½ in. The construction of this railroad was begun in January, 1870, by the late Henry Meiggs, under a contract made in December, 1869, with the Peruvian Government, which called for the completion of the whole line, Callao to Oroya, 135.8 miles, in 6 years, the contractor to receive $27,600,000 for the building of the line, which then was to become the property of the Government. The road presents some of the most remarkable engineering achievements in the world. Over sixty tunnels, or an average of about one every two miles, pierce the mountains in its path. Among these the most remarkable is the Galera, or Summit tunnel, 104.5 miles east of Callao, which is nearly 4,000 feet long, and is 15,645 feet above sea-level. At Mount Meiggs the road reaches its highest elevation, 17,574 feet, from that point descending the eastern slope of the Andes to Oroya, 12,257 feet above sea-level. In addition to the large number of tunnels there are also about eighty bridges on the line of the road, the most important being the Agua de Verrugas viaduct, 576 feet long and 258 feet high, constructed on the Pinktruss plan. In consequence of the great engineering difficulties which attended the construction of this line its cost greatly exceeded the original estimates, and when the road reached Chicla, to which point it has been opened for several years, the

funds applicable to its construction had been exhausted. Recently the road has been leased to Michael P. Grace, of W. R. Grace & Co., New York, representing a syndicate of capitalists which agrees to complete the line to Oroya, and develop and place in working order the celebrated Cerro del Pasco silver mines. Term of lease, 99 years; rental first seven years, *nil*; thereafter, $25,000 per annum, increased by an additional $25,000 per annum for each one per cent. of net profit over six per cent. on the capital invested. To complete and equip the road and mines will call for an expenditure of about $12,000,000 to $15,000,000. William H. Chilley, *Representative in Peru*, Lima, Peru; Jacob Backus, *Superintendent*, Callao, Peru. GENERAL OFFICE, Lima, Peru.

Cerro de Pasco RR.—This line runs from the Cerro de Pasco silver mines to the surrounding estates, and is used for the transportation of passengers and freight. Total projected length, 15 miles; estimated cost, $1,200,000, upon which the Government guaranteed 7 per cent. interest. Contract for construction made with Henry O. Wyman & Co., and work begun in June, 1869. Completed, 8 miles; graded, 3 miles. This line will connect with the Callao, Lima and Oroya line, and will probably be ultimately merged into that road. GENERAL OFFICE, Cerro de Pasco.

Chimbote and Huaraz RR.—*Line of Road:* Chimbote to Huaraz, 40 miles. Gauge, 3 feet. Rail (iron), 40 lbs. Locomotive engines, 8. Cars, 75. Road built, owned and operated for account of the Peruvian Government. Total projected length, 172 miles. Construction begun in 1871. James H. Hayball, *Superintendent*, Chimbote, Peru.

Eten and Ferrañafe RR.—*Line of Road:* Port of Eten to Ferrañafe, 50 miles. Gauge, 4 ft. 8½ in. Original concession made, July 3, 1867, to José A. Garcia y Garcia: transferred with permission of Govment, October 19, 1867, to stock company. Road completed and opened in 1873. Nominal share capital, $2,000,000, with $600,000 in bonds bearing 9 per cent annual interest. GENERAL OFFICE, Eten, Peru.

Ilo and Moguegua RR.—*Line of Road:* Port of Ilo to interior town of Moguegua, 63 miles, running through one of the richest wine-producing districts of the country. Gauge, 4 ft. 8½ in. Owned by the Peruvian Government. Located by John L. Thorndike, of New York. Construction begun in 1871 and road opened in 1873. Total cost, $5,025,000. GENERAL OFFICE, Ilo, Peru.

Lima, Ancon and Chancay RR.—*Line of Road:* Lima to Chancay, 43 miles. Gauge, 1 metre. This road forms the first and second sections of the Lima and Huacho RR. It runs north from the right bank of the Rimac River, which flows through the centre of the city of Lima, following and nearly parallel with the coast. Built by a stock company; concession afterward annulled and road acquired by Government. Total cost, $2,600,000. Originally projected to run to Huacho, about 25 miles beyond Chancay, but no work done on last section for many years. GENERAL OFFICE, Lima, Peru.

Lima and Magdalena RR.—*Line of Road:* Lima west to Magdalena (watering-place), 5 miles. Gauge, 1 metre. Owned by a stock company; nominal capital, $500,000. GENERAL OFFICE, Lima, Peru.

Lima Railways Co. (Limited).—*Lines of Road:* Port of Callao to Lima, 8 5 miles; Lima to Chorrillos (watering-place), 9 miles—total, 17.5 miles. Gauge, 4 ft. 8½ in. Rail (steel), 70 lbs. Locomotive engines, 17. Cars—passenger, 36; freight, 185. British corporation organized about 1865. First section (Callao and Lima Railroad), built under concession granted in 1848 by local capitalists; second (Lima and Chorrillos Railroad), built in same manner under concession granted in 1856. Original cost of both, $1,200,000. Acquired by present company and capital increased to £800,000. Present cost, £846,609. Reserve fund, £21,500. Earnings, 1885, £42,810. Expenses, £33,840. A dividend of 6 per cent. was paid in 1875, and four subsequently of ?, 1¼, 1 and 1¼ per cent. respectively. Alexander Prentice, *Manager*, Lima; Robert Reid, *Locomotive Superintendent*, Callao; George T. Curtis, *Secretary*, 1 Great Winchester Street, London, E. C.

Mollendo and Arequipa RR.—*Line of Road:* Port of Mollendo to the interior City of Arequipa, 107 miles, connecting at the latter point with the Arequipa, Puno and Cusco Railroad, which forms a continuation of this line. Construction begun in 1868 and road opened in 1870. Owned by the Government of the Republic of Peru. Gauge, 4 ft. 8½ in. Rails (steel), 63 lbs. Maximum grade, 4 per cent. Minimum radius of curves, 352 feet. Road was located by John L. Thorndike, of New York. Total cost, $4,000,000. Originally leased by the Government to the late Henry Meiggs. GENERAL OFFICE, Mollendo, Peru.

Pascamayo, Guadelope and Yonan Ry.—*Main Line:* Pascamayo to Guadelope, 26.25 miles; branch to Yonan, 30.5 miles—total, 56.75 miles. Gauge, 4ft. 8½ in. Rail (iron), 68 lbs. Locomotive engines, 7 Rogers. Cars—passenger, 8; freight, 60. Road built, owned and operated for account of the Peruvian Government. Maximiliano Bamberger, *Manager for the Government and Superintendent Technical and Mechanical Departments;* A. W. Goddard, *Superintendent Traffic*. GENERAL OFFICE, Pascamayo, Peru.

Payta and Piura RR.—*Line of Road:* Port of Payta to interior city of Piura, 63 miles. Gauge, 4 ft. 8½ in. Owned by the Peruvian Government. Construction begun in 1873. Total cost, $2,000,000. An extension of this line to a point on the Amazon River called Limon, passing through the Provinces of Huancabamba and Jaen, and forming a route which is claimed to be the shortest yet projected in South America between the Atlantic and Pacific, was originally contemplated by the Government, and preliminary surveys were made, but owing to the recent disturbed condition of the country the project has been practically abandoned. GENERAL OFFICE, Payta, Peru.

Pimentel RR.—*Main Line:* Port of Pimentel to Chiclayo, with branches to Lambayeque, Muchumi, Tucuma, Picsi, and Ferrañafe—total length, 45 miles, of which about 30 completed. Private company; nominal capital, $1,000,000. This company receives no Government subsidy, but has a monopoly for 25 years. The completed portions of the road have been open for several years. GENERAL OFFICE, Pimentel, Peru.

Pisco and Ica RR.—*Line of Road:* Port of Pisco to Ica, 46 miles. *Branch* to Macacona, 1 mile. Gauge, 4 ft. 8½ in. Locomotives, 5 (American); average weight, 33 tons; fuel, principally wood; cars—passenger, 7 (8-wheel); baggage, etc., 2 (8-wheel); freight, 15 (8-wheel). Total curvature on road, 12 deg.; maximum grade per mile, ascending, 156 feet. Cross-ties, Cal. redwood. Built by private company, but afterward purchased by the Peruvian Government. Cost, $1,450,000, represented by bonds bearing 7 per cent. interest, which has been in default since 1876. Road was formerly leased to Senor Boza, but during the war with Chili it was partially destroyed. It is now leased to C. Schreitmiller, of Lima. C. Schreitmiller, *President;* José Quinones, *Secretary;* Jos. Venn, *General Manager;* A. W. Goddard, *Chief Engineer*. GENERAL OFFICE, Pisco, Peru.

Salaverry and Trujillo RR.—*Line of Road:* Port of Salaverry to Trujillo, capital of the Department of Libertad, 35 miles. Built by the Peruvian Government and opened about 1875. GENERAL OFFICE, Salaverry, Peru.

PORTO RICO.

Tramway of the Estate "Casualidad."—1¼ miles. Gauge, 1 ft. 11½ in.; 20 cars. Carlos Alers, *Aguadilla*.

Tramway of the Estate "Coloso."—1¼ miles. Gauge, 1 ft. 7½ in.; 30 cars. Emilio Vadi, *Aguadilla.*

Tramway of the Estate "Milagro."—2½ miles. Gauge, 1 ft. 7½ in. 40 cars. Amell Julia & Co., *Aguadilla.*

SALVADOR.

Acajutla and Sonsonate RR.—Port of Acajutla to Sonsonate, 15 miles. Gauge, 3 feet. Rail (steel), 40 lbs. Constructed under contract with the Government of Salvador, which guarantees annual dividends of 12 per cent. Road opened July 15, 1882. An extension of 50 miles, from Sonsonate to Santa Ana, is in progress. Locomotive engines, 2. Cars—passenger, 3; freight, etc., 25. Francisco Camacho, *Director*, Guatemala City, Guat.; R. A. Manne, *Superintendent;* A. J. Scherzer, *Engineer;* W. G. Ford, *Master Mechanic*, Sonsonate, Salvador. GENERAL OFFICE, Sonsonate, Salvador.

La Libertad and San Salvador RR.—Projected by the Government from Port of La Libertad to San Salvador, the capital. Francisco E. Galindo, *Secretary of Public Works*, San Salvador, Salvador.

Salvadore Central Railway.—Projected from the harbor of La Union, Bay of Fonseca, to the Guatemala boundary line. Preliminary work completed. To this company the Government granted a subsidy of $10,000 per mile, and guarantees net earnings of $1,000 per mile. Daniel Butterfield, *Concessionary*, 35 Wall St., New York, N. Y.

San Salvador and Santa Tecla Tramway.—From San Salvador to Santa Tecla, 8 miles. Built by the Government, but recently sold to F. Camacho, of Guatemala.

SAN DOMINGO (Island of Hayti, West Indies).

Muelle Nuevo Tramway.—1 mile. Gauge, 4 ft. Rail, 16 lbs.; platform cars (4-wheel), 22; average length, 12 feet. Thomas Simpson, *Administrator;* Ed. Bugaria, *Assistant Superintendent*, Puerto Plata, San Domingo.

San Domingo (Island of Hayti, West Indies), Samana Bay and Santiago Ry.—*Under Construction* from Samana Bay up the Valley of La Vega Real to Santiago, 88 miles, of which laid with track 35 miles, and graded 25 miles further.

San Marcos Tramway.—San Marcos to Puerto Plata, 4½ miles. Gauge, 26 in. Rail, 14 lbs. Locomotive engines, 2; platform cars, 300. Lithgow Bros., *Owners.* William Lithgow, *General Administrator;* Pablo Diez, *Civil Engineer;* William Cross, *Mechanical Engineer.* GENERAL OFFICE, Puerto Plata, S. D.

TRINIDAD.

(British dependency; acquired 1797. Area, 1,754 square miles. Population, 1881, 153,128.) *Line of Railway:* Port of Spain toward San Fernando, 15 miles. Opened in 1880. GENERAL OFFICE, Port of Spain, Trinidad.

UNITED STATES OF COLOMBIA.

Antioquia RR. (In progress). *State of Antioquia.*—From Puerto Oberrio, on the Magdalena River, to Medellin, 125 miles, of which 30.2 miles were completed and in operation December 31, 1883. Sidings, etc., 0.63 miles. Gauge, 3 ft. Rail, 30 lbs. Chartered February 17, 1874, with exclusive right to construct and operate a road opening up for traffic in the interior of the State of Antioquia. Grant from the Government of the State of 247,000 acres of land and a subsidy of $17,000 per mile, the Government reserving one-third of the net profits. *Rolling Stock.*—Locomotive engines, 3. Cars—passenger, 3; freight, 13; construction, 18—34. *Operations* for six months ending June 30, 1883.—Trains run 1,171 miles. Passengers carried, 1,212; carried one mile, 21,487. Head of cattle carried, 159; carried one mile, 3,212. Tons of freight moved, 141.59; moved one mile, 2,866. Earnings—passenger, $769.90; cattle, $174.20; freight, $581.25—total, $1,525.36. Expenses—maintenance of way, $19,793.63; rolling stock, $1,048.18; transportation, $37,109.30—total, $37,109.30. Deficit, $25,583.94. Capital stock, $5,000,000. Francisco J. Cisneros, *Grantee and General Director*, 35 Broadway, New York City; M. C. Cornwell, *Chief Engineer.* PRINCIPAL OFFICE AND ADDRESS, Puerto Oberrio, U. S. C.

Cauca RR. (In progress). *State of Cauca.*—From Buenaventura, on the Pacific coast, to the River Cauca, 85 miles, of which 12.5 miles were completed and in operation December 31, 1883. Sidings, etc., 0.45 mile. Gauge, 3 ft. Rail, 30 lbs. Chartered May 7, 1878, to develop traffic of the State of Cauca, and to reach the extensive and rich coal-fields in the Valley of Cauca. Grant of 500,000 acres of land from the Government of the State. *Rolling Stock.*—Locomotive engines, 2. Cars—passenger, 3; freight, 18; construction, 31—total, 52. *Operations* for year ending August 31, 1883. Passengers carried, 9,376. Head of cattle carried, 1,087. Specie carried, $75,720. Tons of freight moved, 4,343.25. Earnings—passenger, $3,238.75; freight, etc., $22,508.81—total, $25,747.56. Expenses—maintenance of way, $12,899.27; rolling stock, $4,360.21; transportation, $23,632.74—total, $70,891.74. Deficit, $45,144.18. Capital stock, $6,000,000, of which the Government of the United States of Colombia is a subscriber to $3,000,000. Francisco J. Cisneros, *Grantee and General Director*, 35 Broadway, New York City; John B. Dougherty, *Chief Engineer.* PRINCIPAL OFFICE AND ADDRESS, Buenaventura, U. S. C.

Colombia Railway Co.—*Main Line:* Honda to Bogota, 110 miles; completed, 23 miles; balance under construction. Gauge, 3 ft. 6 in. Rail, 45 lbs. Locomotive engines, 2; cars, 12. H. N. Twombly, *President*, 38 Burling Slip, New York, N. Y.; Alvin F. Hill, *Secretary and Treasurer*, 19 Broadway, New York, N. Y.

Ferro-Carril de Bolivar.—Owned by Government. *Line of Road:* Barranquilla to Sabanilla. Miles, 14. Gauge, 3 ft. 6 in. Rail, 45 lbs. Locomotives, 50. Cars, 60. Eusebio Grau, *Superintendent*, Barranquilla.

Ferro-Carril del Cucuta.—*Line of Road:* From Zulia River to San José de Cucúta, 34 miles. Gauge, 3 ft. 3.4 in. Rail (steel), 30 lbs. Locomotives, 5 (American); average weight, 28,000 lbs. Cars—passenger, 4 (8-wheel); freight, 27 (8-wheel). Degree of curves on road, 17 deg. 22 min. Maximum grade per mile, 132 feet. Cross-ties, lignum vitæ. Construction and equipment to December 31, 1886, $1,800,000. Gross earnings for year, $350,000, all expended in construction. E. Morales, *President;* M. A. Heredia, *Secretary;* J. A. Berti, *Treasurer;* P. Pinzon, *Chief Engineer.* Local Stock Company, San José de Cucúta.

Girardot RR. (In progress). *State of Cundinamarca.*—From Girardot, on Magdalena River, to Bogota, 75 miles. The first section, from Girardot to Tocaima, 18 miles, was under construction but not completed, December 31, 1883. Gauge, 3 ft. Rail (steel), 30 lbs. Chartered June 21, 1881. Capital stock for first section, $554,000. The first section will be opened during the year 1884. Francisco J. Cisneros, *General Director*, 35 Broadway, Room 84, New York City; James Wilson, *Resident Engineer.* PRINCIPAL OFFICE, Girardot, U. S. C.

Girardot Ry.—Government. Magdalena River to Bogota. Miles, 18. Gauge, 3 ft. Rail, 35 lbs. Locomotives, 2. Cars, 25. James Wilson, *Engineer-in-Chief;* Carlos Saens, *Superintendent*, Bogota.

La Dorado RR. (In progress). *State of Colima.*—From Honda to La Dorado, 30 miles, of which 3 miles (from Honda to Caracoli) is completed. Gauge, 3 ft. Rail (steel), 30 lbs. Chartered August 3, 1883. Reorganized August 20, 1883. This railroad is designed to unite the navigation of the Lower and Upper Magdalena River, avoiding the dangerous rapids of Honda. *Rolling stock.*—Locomotive engines, 2. Cars—passenger, 2; freight, 4—total, 6. *Operations* for year ending December 31, 1883.—Passengers carried, 13,915. Freight moved, 6,514.22 tons. Earnings—passenger, $2,295.10; freight, $18,500.78—total, $20,795.88. Expenses, $15,443.56. Net earnings, $5,349.32. Capital stock, $250,000. The Government contributes $7,000 per mile of road built. Francisco J. Cisneros, *Grantee and Director General*, 35 Broadway, New York City; N. J. Nichol, *Resident Engineer.* PRINCIPAL OFFICE, Honda, U. S. C.

Panama RR. Co.—*Line of Road:* Aspinwall to Panama, 47.5 miles. *Branch*, Panama to La Boca, 3 miles. Gauge, 5 ft. Locomotives, 32 (American); average weight, 40 tons. Fuel used, English coal. Cars—passenger, 32 (8-wheel); freight and miscellaneous, 1,000 (8-wheel). Maximum radius of curves, 410 ft.; maximum grade per mile, 55 ft. Cross-ties, lignum vitæ. Construction and equipment to December 31, 1885, $7,000,000. Gross earnings for year, $3,767,923. Expenses, $3,196,000. Net earnings, $72,000. J. G. McCullough, *President;* R. W. Thompson, *Vice-President*, New York, N. Y.; F. G. Ward, *General Superintendent*, Aspinwall, U. S. C.; E. Z. Penfield, *Secretary, Treasurer and Purchasing Agent*, New York, N. Y.; J. Beaumont, *Master Mechanic*, Aspinwall, U. S. C.

URUGUAY.

Central Uruguay Ry. Co. of Montevideo (Limited). *Line of Road authorized:* Montevideo to Durazno; completed from Montevideo to River Yi, 180 miles. Opened from Montevideo to Santa Lucia, 40 miles, in 1872; to near River Yi, 87.5 miles additional, July 11, 1874, and to present terminus, including bridge over River Yi, 2.5 miles, in November, 1879. Extension of line to north bank of Rio Negro, 41 miles, opened July, 1885. To this company the Government of Uruguay has granted a perpetual concession, with a guarantee of £700 per mile per annum, attaching as each separate section of the line is opened. Total cost to June 30, 1886, £1,547,185. Gauge, 4 ft. 8½ in. Locomotive engines, 21 (English). Cars—passenger, 45; freight, 408. Rail, 56 lbs. Gross receipts for year ending June 30, 1886, £167,420. Expenses, £90,310. Net earnings, £77,110; interest, etc., £7,634—total, £84,734. Payments, dividends, interest, etc., £58,958. Surplus, £25,776. Surplus from last year, £10,848—total available balance, £36,624. This company operates under contract the line of the *Uruguay Central and Hygueritas Ry. Co.*, extending from junction with the Central Uruguay at Juan Chaso to San José, 20 miles. The total authorized length of the latter line is 146 miles, Santa Lucia to Hygueritas, the Government also guaranteeing a net revenue of 7 per cent. on £10,000 per mile. The completed section was opened May 20, 1876; total cost, £253,055. In 1886 the road was purchased by the Central Uruguay Ry. Co. for £110,000. *Officers* of the Central Uruguay Co.: H. Chamberlain, *General Manager;* R. Wingate, *Resident Engineer;* F. Hudson, *Locomotive Superintendent*, Montevideo; Geo. Wilkinson Drabble, *Chairman Board Directors;* C. O. Barker, *Secretary;* James Livesey, *Consulting Engineer*, London, Eng. CORPORATE OFFICE, 7 Finsbury Circus, London, E. C. LOCAL OFFICE, Montevideo.

Eastern Uruguay Railway.—Montevideo to Minas, 34 kilo. Gauge, 4 ft. 8½ in. Rail, 50 to 60 lbs. Locomotive engines, 4. Cars—passenger, 7; baggage, etc., 2; freight, etc., 30. Lewis Andreoni, *General Manager and Engineer*, Montevideo, Uruguay.

Northern RR.—Montevideo to Sta. Lucia, 18 kilo. In operation. No further information. GENERAL OFFICE, Montevideo, Uruguay.

Northwestern Ry. Co. of Uruguay (Limited).—*Line of Road:* Salto to Sta. Rosa and Brazilian frontier, 115 miles. At latter point connection has been made with the Brazil Great Southern RR. Gross earnings for 1885, £30,468. Expenses, £24,286. Balance to net revenue account, £6,181. C. G. Mott, *President;* J. D. Kennedy, *Secretary;* Edward Morice, *General Manager;* James Iforde, *Consulting Engineer.* LOCATION OF OFFICE, 70 and 71 Bishopsgate Street, Within, London, England.

Pando Railway.—*Line of Road:* Montevideo to Pando, 18 miles. Opened in 1883. No further information. GENERAL OFFICE, Montevideo, Uruguay.

Salto and Paso de los Toros Railway.—Concession granted with Government guarantee attached for construction of a line from Salto to Paso de los Toros, a distance of 130 miles, connecting the Northwestern and the Central Uruguay Railways.

URUGUAYAN TRAMWAY LINES.

Berro Tramway, Montevideo, 21.6 kilo., 1,000,000 passengers annually.

Brazilian Tramway, Montevideo, 10 kilo., 1,000,000 passengers annually.

Central Tramway, Montevideo, 9 kilo., 1,200,000 passengers annually.

Cerrito Tramway, Montevideo, 4 kilo., 600,000 passengers annually.

Eastern Tramway, Montevideo, 74 kilo., 1,000,000 passengers annually.

Oriental Tramway, Montevideo, 8 kilo., 1,000,000 passengers annually.

Paso del Molino and Cerro Tramway, Montevideo.

Pocitos Tramway, Montevideo, 12 kilo., 1,000,000 passengers annually.

Union Tramway, Montevideo to La Union, 8.1 kilo; cars, 30; 1,500,000 passengers annually. GENERAL OFFICE, Montevideo.

VENEZUELA.

Bolivar Ry.—*Line of Road:* Port of Tucacas, Caribbean Sea, to copper mines of Aroa, 55 miles. Gauge, 3 ft. Rail, 30 and 50 lbs. Locomotives, 11. Cars, 240. British corporation. First section road opened June 13, 1874; whole line opened January 1, 1876. Total cost, £830,971; capital stock, £400,000; debentures, £235,000. In June, 1883, the company amalgamated with the New Quebrada Company, Limited, under the name of the Quebrada Railway, Land and Copper Company, Limited; the authorized capital being £1,000,000; debentures, £400,000. N. G. Burch, *Managing Director and Secretary*, 2 Walbrook, Mansion House, London, E. C.; James Crosbie, *Agent and Engineer*, Tucacas.

La Guaira and Caracas Ry.—*Line of Road:* Port of La Guaira to Caracas, the capital, 25 miles. Gauge, 3 ft. Rail (steel), 50 lbs. Locomotives, 8 (Naysmith, Wilson & Co.); average weight, 33 tons. Cars, 76. British corporation; registered February 15, 1882. Concession for 99 years; no subsidy or revenue guarantee. Capital stock, £320,000—one-half subscribed for in Venezuela; debentures, £160,000. Construction

to December 31, 1885. £589,827. Earnings, £93,977. Expenses, £46,616. Thomas C. Sandars, *President*; A. Bliss, *Secretary*, 43 New Broad Street, London, E. C.; G. D. Ross, *General Manager*, Caracas; G. P. Weight, *Assistant Manager*, Caracas; J. Livesey & Sons, *Consulting Engineers*, 2 Victoria Mansion, London, S. W. PRINCIPAL OFFICES, 43 New Broad Street, London, and Caracas, Venezuela.

Caracas Tramway, in City of Caracas, 3 miles. GENERAL OFFICE, Caracas.

La Guaira and Magnetia Tramway, 1½ miles. Gauge, 5 ft. Rail, 30 lbs. GENERAL OFFICE, La Guaira, Venezuela.

Selba and Mendoza RR.—*Line of Road:* Selba to Mendoza, 30 miles. In operation. No further information.

Puerto Cabello and Valencia Ry. Co. (Limited). (Venezuela Central Ry.)—*Line of Road:* City of Valencia to Puerto Cabello. British corporation; registered September 26, 1885. Concession dated February 2, 1884, for 99 years, with guarantee of 7 per cent on capital of £460,000. Work now in progress. First section of road, Caracas to Petaré, opened May 28, 1886.

Other Lines are Projected as follows:

From Petaré to Cumana or Guariquen in the Golfo Triste. Date of concession, April 8, 1886. Guarantee, 7 per cent. for 99 years on cost of road. Concessionaires will own and work for their own benefit all mines and quarries discovered on route. From La Lux to Barquisimito, with right of extension to Tocuyo, Carora, or Trujillo. Guarantee of 7 per cent. on cost of line (not to exceed £10,000 per mile) for 99 years. Concessionaires to have preference in working all mineral products found within 150 metres of line. From Puerto Cabello to Bruzual, in the State of Zamora. Guarantee of 7 per cent (on estimated cost of £3,000,000) for 99 years. From the Port of Cojoro to the City of Maracaibo, in the State of Falcon. Government guarantee of 7 per cent on capital.

CAR AND EQUIPMENT COMPANIES.

(21) List of Officers of Sleeping and Parlor Car Companies, Stock Car and Equipment Companies.

Anstell Refrigerator Car Co., office, 15 East Alabama St., Atlanta, Ga. Organised in 1882 under laws of Alabama. Work done at W. & H. RR. Co.'s shops, Atlanta, Ga. Equipment runs froms 1 to 50 cars. Company also has stationary refrigerators, used at stations and on steamboats. William W. Anstell, President; M. G. Dobbins, Vice-President; E. C. Spalding, Secretary and Treasurer; John D. Cunningham, Managing Director, Atlanta, Ga. Directors elected January 1, 1886: W. W. Anstell, M. G. Dobbins, J. D. Cunningham, I. P. Logan, H. F. Emery, Atlanta, Ga.; George Parsons, James Swann, New York, N. Y.

Burton Stock Car Co. John H. Fox, President; George D. Burton, Secretary and Treasurer; Clarence Hale, Assistant Secretary; Edwin F. Perkins, Vice President and General Manager. Directors: General Benjamin F. Butler, Boston, Mass., and Charles E. Barber, Washington, D. C.

Eastern Rolling Stock Co. Directors: Edward Lamson, E. A. Thissel, S. B. Puffer, George P. Walker, Lowell, Mass.; William H. Harlow, Bangor, Me. Edwin Lamson, President; George P. Walker, Treasurer, Lowell, Mass; William H. Harlow, General Manager, Bangor, Me.

Fort Scott Equipment Co. Board of Directors: George H. Nettleton, L. W. Towne, O. E. Learnard, J. S. Ford, Wallace Pratt, D. C. Jones and W. C. Blair.

Kansas City Refrigerator Car Co. Directors: George Fowler, Kansas City, Mo.; James Phillips, Kansas City, Mo.; G. A. Fowler, St. Mary's, Kan.; W. W. Allen, Topeka, Kan.; N. T. Spoor, Kansas City, Mo.; U. S. Epperson, Kansas City, Mo. George Fowler, President and Treasurer; G. A. Fowler, Vice-President; U. S. Epperson, Secretary; M. M. Vincent, General Agent.

Monarch Parlor Sleeping Car Co. A. F. Higgs, President, 71 Broadway, New York.

National Car Co. James R. Langdon, President, Montpelier, Vt.; F. S. Stranahan, Secretary and Treasurer; J. D. Hatch, Auditor; John B. Fletcher, General Superintendent, St. Albans, Vt. Board of Directors elected June 9 (second Wednesday), 1886: James R. Langdon, Montpelier, Vt.; James D. Hatch, Burlington, Vt.; M. H. Stanton, Philadelphia, Pa.; Gilman Cheney, Montreal, Que.; Herbert Brainerd, E. Curtis Smith, St. Albans, Vt.; Henry L. Millis, Boston, Mass.

Pullman's Palace Car Co. Board of Directors elected (first Thursday after second Saturday) October 14, 1886: George M. Pullman, John Crerar, Marshall Field, I. W. Doane, Norman Williams, O. S. A. Sprague, Chicago, Ill.; Henry C. Hulbert, New York, N. Y. General Officers: George M. Pullman, President; H. Porter, Vice-President, New York; E. H. Goodman, 2d Vice-President. In charge of construction: A. S. Weinsheimer, Secretary; George F. Brown, General Manager; T. H Wickes, General Superintendent; A. B. Kinnan, Assistant to General Superintendent; Alfred Ennis, General Counsel; C. H. Davie, Auditor; F. C. N. Robertson, Assistant Auditor; George M. Gray, General Ticket Agent; William S. Baldwin, General, Agent; S. W. Bretzfield, Assistant Purchasing Agent, New York; I. F. Trout, Commissary. Division Superintendents: E. A. Jewett, Chicago Division, Chicago, Ill.; James Martin, Southern Division, Cincinnati, O.; W. H. Reed, Eastern Division, Montreal, Can.; H. S. Billings, Erie Division, Mills Building, New York; I. M. Bennett, Pacific Division, Omaha, Neb.; Robert Barry, Central Division, Philadelphia, Pa.; C. A. Garcelon, St. Louis Division, St. Louis, Mo.; I. P. Meehan, Western Division, San Francisco, Cal. Assistant Superintendents: A. L. Kounz, Atlanta, Ga.; I. W. Stockton, Boston, Mass.; M. B. Kinney, Chicago, Ill.; P. N. Skinner, Chicago, Ill.; J. C. Gibbons, Cincinnati, O.; G. A. Randall, Denver, Col.; H. I. Clarke, El Paso, Tex.; W. H. Dickinson, Galveston, Tex.; H. H. Marmaduke, Jacksonville, Fla.; J. H. Sims, Jersey City, N. J. (Pennsylvania Depot); D. W. Morrison, Jersey City, N. J. (Erie Depot); E. N. Leamaster, Kansas City, Mo.; L. E. McPherson, Louisville, Ky.; John H. Silance, Montreal, Can.; J. B. Tristland, New Orleans, La.; W. H. Scott, Omaha, Neb.; J. E. Coolidge, Ogden, Utah; Boyle Irwin, Philadelphia, Pa.; W. F. Crouch, Pittsburgh, Pa.; W. H. Boot, Portland, Ore.; D. H. Martyn, St. Louis, Mo.; F. E. Rice, St. Paul, Minn.; N. Main, Washington, D. C. Agents: I. K. Bennett, Buffalo, N. Y.; William Edgar, City of Mexico; C. T. Patriarche, Deming, N. M.; J. F. Richardson, Hornellsville, N. Y.; A. W. Reppy, Raton, N. M., E. T. Henley, Los Angeles, Cal.; J. A. Hughes, Memphis, Tenn.; C. B. Tennant, Richmond, Va.; Henry Porter, Toronto, Can. General offices, Pullman Building, cor. Michigan Ave. and Adams St., Chicago; New York office, Mills Building, 15 Broad St., New York; London office, St. Pancras Station, Midland Railway.

St. Louis Refrigerator Car Co. William McMillan, Secretary and Treasurer, St. Louis, Mo.

Tiffany Refrigerator Car Co. Charles F. Pierce, Manager, Chicago, Ill.

Windisch, Mulhauser & Bro. Refrigerator Car Co. F. H. Short, Secretary and Treasurer, Cincinnati, O.

United States Rolling Stock Co. See also "Manual of Railroads." A. Hegewisch, President, New York, N. Y.; Charles W. Fenn, Assistant to President; C. D. Roys, Vice-President and Attorney, Chicago, Ill.; Thomas F. B. Parker, Secretary, New York, N. Y.; C. Benn, Treasurer; C. D. Allis, Chief Clerk and Paymaster, Hegewisch, Chicago, Ill.; William H. Chaddock, General Agent, Chicago, Ill.; I. L. Stagg, Superintendent of Shops; E. C. Rocap, Superintendent of Accounts; I. C. Fortiner, Purchasing Agent, Hegewisch, Chicago, Ill.; David Cornfoot, London Agent, 49 Lombard St., London, E. C. Directors elected February 2, 1886: A. Hegewisch, H. R. Duval, Frederick W. Foote, H. R. Baltzer, New York, N. Y.; Cyrus D. Roys, Chicago, Ill. Car Works at Hegewisch (near Chicago), Ill., and Urbana, O. General office, 35 Wall St., New York, N. Y.; Chicago office, 189 La Salle St.

Wagner Palace Car Co. W. S. Webb, President; H. W. Webb, Vice-President; I. D. Taylor, Secretary and Treasurer; C. D. Flagg, General Superintendent; I. O. Bowdish, General Ticket Agent; C. E. Taylor, Storekeeper. General offices, opposite Grand Central Depot, New York. T. A. Bissell, Manager Buffalo Works, Buffalo, N. Y.; George B. Miller, Superintendent Dining Cars, Buffalo, N. Y. Eastern Division, J. C. Yager, Superintendent Eastern Division, New York; C. P. Knauth, District Superintendent, New York; C. C. Hughes, Superintendent Shore Line District, New York; L. W. Devenpeck, District Superintendent, Weehawken, N. J.; Walter Burns, District Superintendent, Boston, Mass.; L. Chamberlin, District Superintendent, Albany, N. Y.; T. H. Collett, District Superintendent, Buffalo, N. Y.; W. H. Deal, Agent, Syracuse, N. Y.; R. Ray, Agent, Rochester, N. Y.; T. C. Clark, Agent, Montreal, Can. Western Division: I. A. Spoor, Superintendent Western Division, Chicago, Ill.; W. O. Chase, Superintendent Lake Shore District, Chicago, Ill.; D. Hare, Superin-

tendent Michigan Central District, Chicago, Ill.; W. A. Hayes, Superintendent C. & N. W. District, Chicago, Ill.; J. A. Baylies, District Superintendent, Detroit, Mich.; C. Lincoln, District Superintendent, Cleveland, O.; C. L. Leonori, District Superintendent, St. Louis, Mo.; George Miller, Agent, Cincinnati, O.; M. Scott, Agent, Toledo, O.; Receiving Cashiers, George W. Van Loan, New York; R. H. Hull, Buffalo, N. Y.; J. A. Locke, Boston, Mass.; S. H. Eveleth, Chicago, Ill.

Woodruff Sleeping and Parlor Coach Co. Board of Directors: D. C. Corbin, New York, N. Y.; William G. Johnston, Pittsburgh, Pa.; E. Poulson, Philadelphia, Pa.; J. M. McClintock, Baltimore, Md.; Charles I. Travelli and Wilson McCandless, Pittsburgh, Pa.; Henry Whelen, Philadelphia, Pa., and James I. Donnell and E. J. Unger, Pittsburgh, Pa. Officers: D. C. Corbin, President, New York, N. Y.; William G. Johnston, Vice-President, Pittsburgh, Pa.; Augustus Trump, Secretary and Treasurer, Philadelphia, Pa.; John C. Paul, General Manager; I. A. Parker, Cashier, New York, N.Y.; F. H. Crane, Superintendent; B. F. Kountz, Assistant Superintendent; C. W. Hall, Inspector, Chicago, Ill.; C. L. Leonori, Assistant Superintendent, St. Louis, Mo.; E. W. Timmony, Assistant Superintendent, Indianapolis, Ind.; R. A. Rutherford, Assistant Superintendent, Philadelphia, Pa.; A. H. Holdridge, Assistant Superintendent, Long Island City, N. Y. General office, 430 Walnut St., Philadelphia, Pa.; General Manager's office, 115 Broadway, New York, N. Y.

Worcester Excursion Car Co. Directors elected January 5, 1886: Jerome Marble, Charles B. Pratt, H. H. Bigelow, H. C. Graton, D. H. Fanning, C. C. Houghton, Worcester, Mass.; W. H. Shuey, New York, N. Y. Jerome Marble, President; C. B. Pratt, Treasurer; A. B. F. Kinney, Secretary, Worcester, Mass.; W. H. Shuey, Superintendent, 115 Broadway, New York, N. Y.; C. C. Houghton, Auditor, Worcester, Mass.

Western Car Co. J. P. Curtis, Treasurer, New York, N. Y.; E. B. Hill, Boston, Mass.

EXPRESS AND TELEGRAPH COMPANIES.

(22) List of Officers of Express and Telegraph Companies in the United States.

Adam's Express Company. Capital stock, $12,000,000; dividends, 8 per cent. Operates over 175 railway, steamboat and stage lines; employs 4,300 men, 1,000 horses and 700 wagons, and has 300 offices.

American Express Company. Capital stock, $18,000,000; dividends, 6 per cent. per annum; operates over 35,000 miles of railroad; employs 9,000 men, and has 4,800 offices. James C. Fargo, President, New York, N. Y.; Theodore M. Pomeroy, 1st Vice-President and General Counsel, New York, N. Y.; Charles Fargo, 2d Vice-President and General Western Manager, Chicago, Ill.; Charles G. Clark, Treasurer, New York, N. Y.; John N. Knapp, Secretary, New York, N. Y.; James Moore, Assistant to President, New York, N. Y.; James Eggleston, General Superintendent North-east Division, Boston, Mass.; M. B. White, General Superintendent Eastern Division, Buffalo, N. Y.; H. S. Julier, General Superintendent South-western Division, Cleveland, O.; A. Antiedel, General Superintendent North-western Division, Chicago, Ill.; H. F. Little, General Auditor, New York, N. Y. Directors: James C. Fargo, Theodore M. Pomeroy, Charles Fargo, Johnston Livingston, Charles G. Clark, John N. Knapp, Edward B. Judson, Benjamin P. Cheney, William H. Seward. General office, 65 Broadway, New York, N. Y.

Baltimore and Ohio Express is a department of the Baltimore and Ohio RR. Co. See No. 37 of list of Railway Officials.

Baltimore and Ohio Telegraph Co. See No. 37 of list of Railway Officials.

Earle and Prew Express. Boston, Mass.

Erie Railroad Express is a department of the New York, Lake Erie and Western RR.

Long Island Express is a department of the Long Island Railroad.

Mexican Telegraph Co. James A. Scrymser, President.

Moosehead Lake Telegraph Co. Directors: George F. Godfrey, A. C. Hamlin, C. F. Bra:g, Lester Dwinel, Abram Moor, C. H. Sawyer, Bangor, Me. George F. Godfrey, President, Bangor, Me.; R. W. Sawyer, Secretary and Treasurer, Bangor, Me.; C. H. Sawyer, Superintendent, Bangor, Me.

National Express Co. Directors: Johnston Livingston, L. W. Winchester, J. C. Fargo. R. C. Livingston, New York, N. Y.; E. H. Virgil, Troy, N. Y.; Theodore M. Pomeroy, Auburn, N. Y. Johnston Livingston, President, New York, N. Y.; L. W. Winchester, Vice-President, Treasurer and General Manager, New York, N. Y.; E. H. Virgil, Secretary and General Superintendent, Troy, N. Y.; J. W. Hutt, General Superintendent, Albany, N. Y.

New England Transfer Co. Directors: F. J. Kingsbury, Waterbury, Conn.; C. P. Clark, J. W. Perkins, Boston, Mass.; G. H. Watrous, E. M. Reed, New Haven, Conn.; W. E. Barnett, New York, N. Y. F. J. Kingsbury, President, Waterbury, Conn. S. C. Fleetwood, Treasurer, Grand Central Depot, New York, N. Y.; G. I. Germon', General Superintendent, General Ticket and Freight Agent, 664 East 136th St., New York City.

New Express Co. E. S. Sanford, Superintendent, 122 West Broadway, New York City.

New York and Boston Dispatch Express Co., 304 Canal St., New York, N. Y.

New York Live Stock Express Co., 171 Broadway, New York City.

New York Transfer Co. (Dodd's Express), 1 Astor House. William H. Woolverton, President and Treasurer, New York, N. Y.; George W. Stetson, Vice-President, New York, N. Y.; A. S. Dodd, Secretary and General Manager, New York, N. Y.

Northern Pacific Express Co. Principal office, St. Paul, Minn. Directors elected September 16, 1886: Thomas F. Oakes, St. Paul, Minn.; Frederick Billings, Robert Harris, George Gray, New York, N. Y.; Charles B. Wright, Philadelphia, Pa. T. F. Oakes, President, St. Paul, Minn.; Frederick Billings, Vice-President, New York, N. Y.; George Gray, Secretary, New York, N. Y.; R. L. Belknap, Treasurer, New York, N. Y. James A. Barker, Auditor, St. Paul, Minn.; W. J. Footner, Superintendent, St. Paul, Minn.; John H. Ames, Purchasing Agent, St. Paul, Minn.

Pacific Express Co. Principal office, Omaha, Neb. Capital stock, authorized, $6,000,000; gross earnings, 1886, $4,500,000; operates over 17,000 miles of railroad and 1,000 miles of stage route and steamship lines, and has 2,200 officers. Directors: E. M. Morsman, W. F. Bechel, Omaha, Neb.; C. F. Adams, Boston, Mass.; L. A. Fuller, D. S. H. Smith, St. Louis, Mo.; J. K. Johnston, Kansas City, Mo.; A. H. Calef, New York, N. Y. E. M. Morsman, President and Treasurer, Omaha, Neb.; C. F. Adams, Vice-President, Boston, Mass.; W. F. Bechel, Secretary and Auditor, Omaha, Neb.; L. A. Fuller, Superintendent Eastern Division, St. Louis, Mo.; J. K. Johnson, Superintendent Western Division, Kansas City, Mo.; F. C. Gentsch, Superintendent North-western Division, Salt Lake City, Utah. Assistant Superintendents: William Griffith, Denver, Col.; George W. Moore, Kansas City, Mo.; W. R. Bresie, Decatur, Ill.; George P. Stebbins, Council Bluffs, Ia., and Omaha, Neb.; James Aikin, Dallas, Tex. General Agents: A. Cheney, Boston, Mass.; W. Hutton, 82 Broadway, New York City; G. Riter, 624 Chestnut St., Philadelphia, Pa.; R. W. Eddins, cor. Baltimore and Calvert Sts., Baltimore Md.; A. Wygant, 87 and 89 Washington St., Chicago, Ill.; F. H. Cone, Detroit, Mich.; C. S. Phillips, Indianapolis, Ind.; H. A. Morsman, 500 North Fourth, St., St. Louis, Mo.; J. W. Bashforth, Quincy, Ill.; W. J. Brown, Memphis, Tenn.; B. W. Cason, New Orleans, La.; E. L. Hart, Galveston, Tex.; L. S. Garrison, Dallas, Tex.; B. F. Roman, El Paso, Tex.; E. J. Butler, Little Rock, Ark.; Eli Lewis, Jr., Kansas City, Mo.; H. V. Arrowsmith, St. Joseph, Mo.; S. A. Huntoon, 1215 Farnam St., Omaha, Neb.; J. H. Jones, Denver, Col.; W. S. Tobey, Leadville, Col.; F. H. Hyde, Salt Lake City, Utah; John Kelly, Ogden, Utah; J. F. Burgess, Butte, M. T.; H. H. Browning, cor. 1st and Pine Sts., Portland, Ore.; J. A. Sanborn, San Francisco, Cal.; A. H. Boomer, Boise City, Ida.; F. E. Longhurst, Cheyenne, Wyo.; F. A. Lewis, Topeka, Kan.; John Westlake, Leavenworth, Kan.

Philadelphia and Reading Express is a department of the Philadelphia and Reading Railroad Co. Charles M. Heald, Superintendent, Philadelphia, Pa.

Southern Express Co. H. B. Plant, President, New York, N. Y.; J. C. Calhoun, Treasurer, Chicago, Ill; G. H. Tilley, Secretary, 12 West Twenty-third St., New York, N. Y.

United Lines Telegraph Co. Directors: E. S. Stokes, John Anderson, Dwight Townsend, C. H. Read, George H. Pell, Horace Stokes, I. Newton Baker, H. F. Tappen, I. S. Davidson. General office, 187 Broadway, New York, N. Y. E. S. Stokes, President

and Treasurer, New York, N. Y.; John Anderson, Vice-President, New York, N. Y.; Dwight Townsend, Secretary, New York, N. Y.; F. W. Jones, General Manager, New York, N. Y.

United States and Canada Express Co. Boston, Mass.

United States Express Co. Principal office, 82 Broadway, New York City. Capital stock, $7,000,000; dividends, 4 per cent. Directors: T. C. Platt, A. H. Barney, George R. Blanchard, C. H. Crosby, New York, N. Y.; Daniel P. Eells, Cleveland, O. T. C. Platt, President, New York, N. Y.; C. H. Crosby, Assistant to President, New York, N. Y.; Theodore F. Wood, Treasurer, New York, N. Y.; Daniel P. Eells, Secretary, Cleveland, O.; C. A. De Witt, General Superintendent Eastern Division, New York, N. Y.; C. Cone, General Superintendent Western Division, Toledo, O.; R. P. Hayes, Auditor, New York, N. Y.

Wells, Fargo and Company's Express. Chartered February 5, 1866. Capital stock, $6,250,000; dividends, 8 per cent. Operates over 16,698 miles of railway, 5,557 miles of stage line, 1,094 miles of inland steamers, 13,189 miles of ocean steamers; employs 2,690 men, and has 1,869 agencies. Directors: Lloyd Tevis, John J. Valentine, Leland Stanford, Charles Crocker, C. F. Crocker, George E. Gray, Oliver Eldridge, William Norris, San Francisco, Cal.; James C. Fargo, New York, N. Y. Lloyd Tevis, President, San Francisco, Cal.; John J. Valentine, Vice-President and General Manager, San Francisco, Cal.; H. Wadsworth, Treasurer, San Francisco, Cal.; James Heron, Secretary, San Francisco, Cal.; E. M. Cooper, General Superintendent Western Division, San Francisco, Cal.; W. J. Hancock, General Superintendent Eastern Division, Council Bluffs, Ia.; H. B. Parsons, Assistant Secretary and Agent, New York, N. Y.

Wescott Express Co. 3 Park Place, New York City.

Western Express. G. L. Douglass, 91 Wall St., New York, N. Y.

RAILWAY OFFICIALS

(23) Alphabetical List of Names of all Railway Officials given in List No. 1 on Pages 1 to 161.

Note.—In the list of names for which the following is an index, the names of each railroad and of every official is preceded by a number, and where there are systems or routes comprising several lines, the railroads have a common number with subdivisions which are designated by letter, the numbers following each letter referring only to that portion of the route or system. In the following list the numbers, etc., following the names correspond with those preceding the officials' name and railroad in List No. 1. Thus "Abercrombie, F. P., **587**—135, **589a**—34," will be found as number 135, under head of railroad **587** and as number 34 under head of railroad **589a**.

A.

Abadie, E. S., **676**—23.
Abbett, H. M., **174**—3; **824**—2.
Abbot, R. H., **850**—2; 4.
Abbot, Fred'k, **850**—11.
Abbott, Harry, **103**—45.
Abbott, J. J. C., **103**—12.
Abel, W., **692**—36.
Abercrombie, A., **640d**—8.
Abercrombie, F. P., **587**—135; **589a**—34.
Ablewhite, J. B., **49b**—25.
Abrams, W. H., **771**—8.
Ackenhell, C., **744**—7.
Ackerley, G. D., **567**—4.
Ackert, C. H., **116**—4.
Ackley, J. D., **349**—8.
Ackley, T., **404c**—14.
Adair, R. J., **822**—9.
Adair, W., **416a**—1.
Adams, Alfred, **124**—1.
Adams, C. B., **812**—15.
Adams, C. F., Jr., **672**—1; **792**—1; **793b**—3; *d*—1; *e*—1; *f*—1.
Adams, C. W., **588**—67.
Adams, F. B., **584**—1.
Adams, F. D., **65**—19.
Adams, C. F., Jr., **463c**—1; **792**—1.
Adams, F. W., **463a**—16.
Adams, F. M., **124**—4.
Adams, Geo., **31**—3.
Adams, G. E., **517**—31.
Adams, H. J., **138**—43.
Adams, J., **279**—3.
Adams, J. F., **279**—17; **279a**—1.
Adams, J. L., **618c**—17.
Adams, J. W., **138**—54; **349**—9.
Adams, W. H., **417**—12.
Adameon, T., **557**—23.
Addis, J. W., **771**—20.
Adolfs, J. H., **580**—33.
Ady, Geo., **792**—39.
Ady, A. C., **198**—14.
Affleck, E. T., **37**—52; **196**—9.
Agassiz, Alex., **325**—1.
Agency Bank of Cal., **808**—3.
Aglar, J. F., **792**—54.
Agnew, J. K. V., **164**—6.
Ahern, T., **150**—90.
Ahl, Thomas W., **321**—1.
Aid. F. J., **371**—8.
Aiken, C. L., **563**—18.
Aiken, H. M., **765**—1.
Aiken, W., **484**—4.
Aikman, J. G., **219**—5.
Ainslie, S. R., **550**—22.
Ainsworth, J. E., **151a**, *b*—12.
Ainsworth, T., **29**—27.
Akin, B. H., **182**—15.
Albert, Charles, **166**—26.
Albert, Leon J., **106**—3.
Albertson, W. H., **734C**—7.
Albrecht, J. C., **119a**—8; *b*—7; **200**—8.
Albright, J. S., **571**—25.
Albro, E. D., **763**—2.
Alcorn, A., **131**—5.
Alcott, A. E., **150**—86.
Aldcorn, Thos., **517a**—25.
Alden, G. A., **421**—26.
Alden, R. P., **210**—2.
Alderson, W. C., **404**—12; **404a**—5; **404b**—3; **404c**—4.
Aldridge, G. P., **416b**—7.
Aldrich, Amos, **56**—3.
Aldrich, H., **89**—25.
Aldrich, J. H., **370**—9.
Aldrich, T. H., **95**—2.
Alexander, Coke, **771**—35.
Alexander, E. P., **119**—1; *a*—1.
Alexander, F. M., **771**—32.
Alexander, G., **141**—44.
Alexander, J. H., **49e**—25.
Alexander, J. V., **295**—6.
Alexander, W. H., **203**—14.
Alexander, W. S., **692**—10.
Alger, C. E., **65**—13.
Alger, R. A., **246**—1.
Allen, A., **141a**—45.
Allen, A. A., **850**—7.
Allen, Albert, **758**—3.
Allan, Andrew, **424**—1.
Allen, A. B., **618d**—16.
Allen, C. A., **49d**—7.
Allen, Calvin H., **86**—2.
Allen, C. S., **102a**—16.
Allen, D., **335**—8; **336**—8.
Allen, D. C., **735**—6.
Allen, E. B., **335**—21; **336**—21; **834**—3.
Allen, E. G.
Allen, E. P., **692**—32.
Allen, E. T., **218**—4.
Allen, E. W., **249**—4, 5.
Allen, F. A., **569b**—10.
Allen, F. J., **141**—51.
Allen, J. W., **676**—26.
Allen, C. C.
Allen, J. C., **104**—5.
Allen, P., **639**—6.
Allen, S., **810**—38.
Allen, T. A., **274b**—6.
Allen, W. A., **421**—7.
Allen, W. H., **708b**—8.
Allen, W. I., **455**—26.
Allen, W. T., **150**—97.
Allen, W. W., **24**—23; **24c**—11; **24f**—21.
Alley, W. H., **350**—1.
Allibone, A. D., **449**—6.
Allibone, L. W., **589b**—23.
Allin, F. W., **506**—2.
Allis, H. G., **676**—8.
Allison, A. C., **545**—5.
Allison, J. A., **559**—9.
Allison, I. F., **501**—4.
Allison, W. H. H., **166**—16.
Alsop, J. W., **521a**—18.
Alvord, E. M., **287**—8, 9.
Allwine, W. B., **589i**—8.
Ambler, B. A., **24c**—4.
Ambrose, J. H., **491**—2.
Ambrose, W. C., **734a**—26.
Ames, F. L., **563**—2; **793f**—2.
Ames, J. K., **837**—1.
Ames, L., **50**—12.
Ames, Wm., **563**—19.
Amireau, E., **378**—9.
Amory, W. A., **141**—20.
Amos, T. D., **569a**—7.
Amsden, A. G., **395**—63.
Amsden, J. P., **804**—3.
Anderson, Andrew, **37**—6; **746**—3.
Anderson, Andrew, **119a**—3; *c*—3; *d*—3.
Anderson, A., **550**—3, 35.
Anderson, A., **588**—73.
Anderson, A. H., **638**—7.
Anderson, G., **422**—19.
Anderson, James, **645b**—4.
Anderson, E. S., **103**—18.
Anderson, F. Y., **640d**—6; *e*—5.
Anderson, G., **367**—19.
Anderson, H. C., **151c**—44.
Anderson, H. W., **102b**—6.
Anderson, Jno., **227**—13.
Anderson, J. A., **587**—35.
Andrews, J. B., **618**—5.
Anderson, J. C., **526**—6.
Anderson, J. F., **624**—6.
Anderson, Jos. W., **746**—2.
Anderson, Robert, **793e**—7.
Anderson, R. A., **820**—3.
Anderson, R. C., **646e**—13.
Anderson, S., **587**—179.
Anderson, S. J., **624**—1.
Anderson, T. W., **771**—27.
Anderson, W. A., **820**—10.
Andrews, A. B., **645**—4.
Andrews, G. H., **568**—4, 9.
Andrews, J. W., **179**—8.
Andrews, P. St. M., **524**—17; **524a**—4.
Andrews, R., **645**—37; **646h**—1.
Andrews, W., **358**—3.
Andrews, W. S., **557**—29.
Angier, Alton, **820**—3.
Angier, F. W., **82**—5.
Angel, G. F., **517**—46.
Angus, G., **73a**—51.
Angst, R., **146**—8; **455**—14.
Ansart, F., **478**—6.
Ansell, H., **353**—8.
Ansley, F. M., **416b**—6.
Ansley, H. C., **645e**—7.
Ansley, M. L., **416b**—6.
Ansley, T. J., **416b**—6.
Anson, F. H., **850**—31.
Anson, Jerome, **395**—60.
Anstey, W. W., **517**—25.
Anthon, H., **416**—11.
Anthony, C. S., **279**—5.
Anthony, W. M., **279**—10.
Apgar, Allen S., **450**—12.
Appleby, C. T., **688**—29.
Archambault, J. A., **638**—3.
Archer, J. J., **707**—5.
Archibald, P. S., **102a**—6.
Archibald, R. B., **141a**—41.
Arden, D. D., **119**—16.
Ardery, A. M., **808**—10.
Ardery, A. H., **808a**—6.
Argue, Geo., **827**—5.
Arkell, W. J., **703**—2.
Armbruster, J., **257**—28.
Armes, G. R. W., **715**—3.
Armitage, J., **548**—19.

Armour, K. B., 375—2.
Armstrong, A. C., 24—16; 24c—8; 24f—11; 29—20; 98—12; 154—7.
Armstrong, C. N., 34—4; 477—3.
Armstrong, E. N., 781—2.
Armstrong, G. C., 398—7.
Armstrong, G. A., 463a—37.
Armstrong, H. D., 810—31.
Armstrong, J., 477—1.
Armstrong, J. F., 34—5.
Armstrong, T. G., 521a—17.
Armstrong, Wm., 143—10.
Arnold, B., 416c—7.
Arnold, Fred., 635—4.
Archibald, James, 233—13.
Artley, D. W., 587—°5.
Artley, J. S., 587—144.
Arthur, J., 151—78.
Ashley, O. D., 812—1.
Ashmead, Frank, 8—11.
Ashton, Wm., 792c—3.
Ashurst, R., 787—3.
Ashurst, S., 787—1.
Ashworth, R. H., 245—8.
Aspinwall, C. C., 67—22.
Atherton, A. C., 291—5,6.
Atherton, C. C., 808—8.
Atherton, L. E., 141b, c—13.
Atkins, A. J., 61—2.
Atkins, E., 463c—2.
Atkins, T. B., 342—2.
Atkinson, F. M., 179—2.
Atkins n, W. H., 179—4.
Atlee, E. A., 650—3.
Atlee, J. C., 285—2.
Atmore, C. P., 416d—1; 575—8; 593—11.
Atmore, W. E., 416d—12.
Atterbury, Jas. S., 215—1.
Attick, David, 598a—29.
Atwater, A. B., 309—26; 309a—6; 309b—5.
Atwater, C., 507—3.
Atwood, D., 153—14.
Aubrey, E., 161—25.
Auch, John F., 601—12.
Aulbaugh, J. W., 104—1.
Ault, W. C., 559—6.
Austin, E. H., 588—76.
Austin, J. B., 24—37.
Austin, T., 588—76.
Aveilhe, A. A., 618c—12.
Averill, C. K., 332—2.
Averill, F. L., 130—11.
Averill, H. D., 332—5.
Averill, J. H., 735—13.
Averill, W. C., 734C, e—3.
Avery, Edward, 283—11.
Avery, Isaac,
Axtell, D., 644—2.
Ayer, B. F., 339—7.
Ayer, John, 728—1.
Ayer, W. M., 728—4.
Ayers, A. E., 359—2.
Ayers, M. P., 359—3.
Ayers, S. H., 834—5.
Aylesbury, T., 141f—27; 141h—15.
Aylsworth, W. R., 489—2; 489a—4; 489b—2; 489c—4.
Aylett, L. D., 646e—4.

B

Babb, M. L., 624—7.
Babbidge, C., 734 C—a—6.
Babbitt, W. E., 122—3.
Babcock, A., 233—29
Babcock, E. P., 65—22.
Babcock, Samuel, 322—2.
Babcock, S. D., 530—1.
Babcock, W. N., 151—82.
Bacon, D. C., 119e—1.
Bacon, E. R., 177—2.
Bacon, G. D., 557—35.
Bacon, J. E., 636—5.
Badger, O. M., 205—16.
Badger, W. H., 388—5.
Badgley, H. D., 141—65.
Bagby, J. H., 594—3.
Bagley, J. B., Jr., 222—12.
Bagley, H. A., 242—7.
Bagley, Juo., 351—1.
Bagley, M. F., 151 c—11.
Baglish, J. J., 376—14.
Bagnall, R., 548—11.
Baigrie, T., Sr., 758—6.
Bail, B. H., 812—26.
Bailey, D. S., 339—40.
Bailey, E., 141e—38.
Bailey, James M., 610—4.
Bailey, John, 463—12.
Bailey, John, 68—19.
Bailey, John, 589a—23.
Bailey, J. M., 731—2.
Bailey, J. S., 842—5.
Bailey, J. C., 549—3.
Bailey, William, 373—1.
Bailey, W. E., 619—8.
Baine, M., 416b—7.
Baines, E. R., 309—55.
Baird, C. A., 762—6.
Baird, J. W., 233—27; 516—39.
Baker, Archer, 103—20.
Baker, A. O., 587—41.
Baker, Botts & Baker, 463—30.
Baker, C. M., 366—3.
Baker, C. O., 851—3.
Baker, D. H., 587—102.
Baker, E., 153—33.
Baker, E. F., 248—2.
Baker, F. C., 850—33.
Baker, F. M., 1—5.
Baker, H. K., 126—2.
Baker, J., 609—1.
Baker, J. W., 233—19, 27.
Baker, L. E., 821—1.
Baker, L. P., 96—13.
Baker, N. P., 644—16.
Baker, S., 609—3.
Baker, W. E., 463e—29.
Baker, W. R., 424—4.
Baker, Z. W., 276—16.
Balch, D. W., 499—1.
Baldwin, F. W., 122c—4.
Baldwin, H. F., 416b—6.
Baldwin, H. P., 120—7.
Baldwin, I. W., 417—29.
Baldwin, W. A., 588—17.
Baldwin, W. S.—362—7.
Baldwin, W. W., 141—17; 141c—1; 141h—1; 337—1.
Bales, E. T., 162—3.
Ball, A., 20A—6; 463d—16.
Ball, A. J., 49e—15.
Ball, Charles A., 79—8.
Ball, George H., 143—2.
Ball, G. W. I., 587—190.
Ball, H. J., 521—36.
Ballantine, C. M., 202—3.
Ballantine, G. W., 141a—43.
Ballentine, D. W., 708a—10.
Baltzer, H. R., 26a—1.
Bamberger, J. E., 701—8.
Bamberger, S., 701—4.
Bancker, W. B., 521—6.
Bancroft, W. H., 238—8.
Bank of Commerce, 232—12.
Bank of Montreal, 103—22.
Bank of North Am., 675—10.
Banker, H., 29—31.
Banker, John T., 2—3.
Bannard, W. N., 587—112.
Barber, D. D., 61—1.
Barber, E. A., 645—14.
Barber, J. C., 550—14.
Barber, J. R., 191—3; 259—4.
Barber, L. M., 852—3.
Barber, M. E., 65—14.
Barclay, R. D., 587—14.
Barclay, H. G., 416c—7.
Barham, L. C., 416a—19.
Barhydt, T. W., 93—1.
Barker, A. G., 151—99.
Barker, James, 850—8.
Barker, J. A., 550—40.
Barker, L. H., 589a—26.
Barker, L. E., 360—8.
Barker, S., 548—3.
Barkla, William, 338—5.
Barkley, R. C., 273—1.
Barlow, H. C., 850—9.
Barlow, S. D., 463d—4.
Barksdale, R. T., 31—4.
Barnard, A. B., 141f—8.
Barnard, J. F., 141h—2; 557—1.
Barnard, W. T., 37—7.
Barnett, J. D., 309—49.
Barnett, W. E., 525—6.
Barnhart, C. R., 416—37.
Barner, Brad., 295—8.
Barnes, C. W., 218—3.
Barnes, E. H., 257—22.
Barnes, E. F., 618—17.
Barnes, Geo., 690—2.
Barnes, Geo. T., 113—1.
Barnes, H. A., 850—25.
Barnes, J. B., 810—6.
Barnes, J. L., 24c—1.
Barnes, R. H., 138—54.
Barnes, S. P., 810—37.
Barnes, W. H., 8—2.
Barnes, W. H., 65—4.
Barnes, W. H., 151—79.
Barnes, W. W., 253—4.
Barnett, A. F., 640c—9.
Barneydean, F., 14—6.
Barnum, G. S., 646e—10.
Barnum, W. H., 323—2; 332—1.
Barr, J. M., 140—6.
Barr, P. F., 242—8.
Barr, J. N., 150—9.
Barrett, Amos, 68—24.
Barrett, J. A., 151—54.
Barrett, C. E., 309—68.
Barrett, J. H., 521—41; 521b—5.
Barrett, M., 416b5.
Barrett, P. W., 402—11.
Barrett, S., 203—6.
Barrett, T. C., 416b—5.
Barron, W. H., 150—34.
Barrow, Geo., 725—4.
Barrs, J. M., 361—3.
Barry, John, 26g, h—12.
Barry, Thos., 307—1.
Barse, M. W., 212—4.
Bartell, R., 824—9.
Bartle, G., 533—10.
Bartle, J. S., 141—10.
Bartlet, W. H., 141b, c—12.
Bartlett, C. E. A., 67—3.
Bartlett, D., 141f—31.
Bartlett, Geo. E., 276—11.
Bartlett, G. W., 521a—20.
Bartlett, L., 463a—13.
Bartlett, N., 395—6.
Bartlett, S., 792—20.
Barton, E. H., 64—5.
Barton, I. D., 412—5.
Barton, L. F., 415—22.
Barwald, David, 298—14.
Bascom, W. R., 339—61.
Basley, W. D., 530—8.
Bass, J. N., 9—4.
Bass, W. L., 419—15.
Bassett, A. C., 734B—1.
Bassett, C. W., 37c—9.
Bassett, E. T., 151a, b—26.
Bassett, J. T., 141—41.
Bastable, John, 393—19.
Bassett, J. R., 463c—11.
Batcheldor, E. W., 150—59.
Batcheller, H. K., 519—7.
Bates, B., 701—6.
Bates, D. H., 37—79.
Bates, F. J., 116—25.
Bates, H. K., 370a—6.
Bates, H. W., 260—2, 5.
Bates, J. L., 463a—33.
Bates, R. J., 621—2.
Bates, T. M., 138—16.
Battersby, R., 470—8.
Battin, H. W., 151—79.
Batty, Geo. S., 432—2.
Baublitz, Geo., 822a—4.
Baugh, Jno., 51—5.
Bauman, Gus., 734a—40.
Baumgardner, T. & M., 749—1.
Baxter, E., 416—32.
Baxter, Geo. S., 550—9.
Baxter, M. A., 734—39.
Baxter, T. W., 150—90.
Bay, John P., 792a—11.
Bayne, Thos. L., 416—35.
Beach, Chas. A., 114—5.
Beach, Chas. L., 114—1.
Beach, Daniel, 276—3; 276a—2; 276c—3.
Beach, G. M., 49a—1; 49c—14.
Beach, Geo. W., 495—3.
Beach, H. D., 495—9.
Beach, J. P., 483—2.
Beal, N. B., 698—1.
Beale, N. C., 645—55.
Beall, John L., 12—4.
Beals, S. J., 692—17.
Bean, A. C., 122a—22.
Bean, John, 183—10.
Beard, H., 587—62.
Beard, Thomas, 53—8.
Beard, W. K., 587—58.
Beardsley, C., 820—14.
Beardsley, E. R., 323—3.
Beardsley, J. D., 18—3.
Beardsley, L. B., 150—61.
Beardsley, W. F., 588—75.
Bearup, H. J., 314—13.
Beatty, D., 143—17.
Beatty, Hy., 103—10.
Beatty, Robert, 309—55.
Beaudet, E., 639—2.
Beaumont, J., 734C—b—9; C—d—10.
Beauprie, W. R., 257a—11.
Bechdolt, C. J., 587—78.
Bechel, J. M., 141—63.
Bechkold, H. G., 49e—28.
Beck, C. A., 339—19.
Beck, I. P., 251—3.
Beck, J. E., 370c—8.
Becker, P., 138—32.
Becker, F. R., 660—20.
Becker, M. J., 588—31.
Becker, T. W., 237—26.
Beckert, A., 37—44.
Beckley, E. F., 176—10.
Beckley, N., 176—4.
Beckman, D., 445—4.
Beckwith, C., 138—21.
Beckwith, J. P., 298—12.
Beckwith, W. A., 122b—10.
Bedison, W. L., 213—3.
Beebe, A. O., 712—2.
Beebe, H. W., 722—2.
Beemer, H. J., 620—2.

Beers, Ira S., 233—17.
Beirer, R. S., 575—5.
Belanger, Jules, 639—11.
Belford, J. N., 587—143.
Belknap, M. S., 119—6.
Belknap, R. L., 550—8.
Bell, F. A., 569b—11.
Bell, H. M., 450—7.
Bell, J. L., 321—6; 843—5.
Bell, John, 309—17.
Bell, John W., 299—14.
Bell, J., 309—27.
Bell, J. W., 141a—33.
Bell, L. A., 257—19.
Bell, Lowrie, 601—6; 603—11.
Bell, Robert, 678—8.
Bell, Samuel N., 633—5; 835—3.
Bell, Thos. C., 742—2.
Bell, W. A., 152—6.
Bellisle, F. N., 734B—8.
Bemis, W. F., 850—32.
Bend, W. B., 458—3, 6.
Bender, D. A., 808—5; a—4.
Bender, G. W., 342—4.
Benedict, E. M., 141—41.
Benedict, James H., 139—1; 672—2.
Benedict, H. C., 453—2.
Benett, W. M., 42—7.
Benjamin, Ed., 477—4.
Bennett, B., 517—46.
Bennett, C. M., 588—39.
Bennett, E., 562—3.
Bennett, E. D., 57—5.
Bennett, Geo., 150—95.
Bennett, H. P., 793a—1.
Bennett, J. A., 76—3.
Bennett, J. H., 238—5.
Bennett, J. M., 181—2.
Bennet, J. M., 792e—2.
Bennett, J. M., 832—1.
Bennett, W. G., 181—3.
Bennett, W. H., 778—7.
Benson, A., 789—3.
Benson, A. E., 789—6.
Benson, C. B., 112—4.
Benson, B. D., 112—1.
Benson, C. W., 458—2.
Benson, M. D., 279—3.
Benson, W. S., 112—3.
Bent, C. C. F., 557—4.
Bent, Geo., 622—7.
Bentley, G. W., 360—6.
Bentley, H. H., 521d—6.
Bentley, John, 339—67.
Bentley, N. S., 570—4.
Bentley, R. R., 488—66; 803—12.
Berger, W. B., 242—4.
Berkeley, E., 645—40; a—1; 646g—1.
Bernard, H. R., 646g—3.
Bernard, W. B., 350—8.
Berry, C. A., 177—12.
Berry, F. F., 29—16.
Berry, J. H., 49e—16.
Berry, J. T., 385—1.
Berry, L. D., 245—12.
Berry, O. A., 339—55.
Berry, Wm., 803—16.
Berry, W. F., 68—8.
Berthoud, A. P., 592—1.
Berwind, Chas. F., 53—1.
Besler, J. D., 141—7.
Besse, J. R., 463e—26.
Best, C. R., 153—53.
Best, J. H., Jr., 118b, c—8.
Bethard, A. D., 644—12.
Bethell, W. D., 375—1.
Bevill, W. B., 540—8.
Bibb, J. M., 416b—5.
Bickford, E. O., 269—1.
Biddle, E. M., 222—2.
Biddle, Geo., 650—4.
Biddle, W. B., 29—11.
Bidwell, Geo. F., 151—70.
Bidwell, L. B., 524—11.
Bidwood, Robert W., 105—8.
Biester, R., 153—34.
Bigelow, A. P., 37—34.
Bigelow, E. L., 37—46.
Bigelow, H. H., 854—1.
Bigelow, I. E., 854—3.
Bigelow, L., 844—4.
Bignell, E., 141a—44.
Billings, E. A., 395—44.
Billinge, F., 853—1.
Billings, S. D., 524a—6.
Billingsley, N. B., 615—4.
Billmeyer, S. T., 44—3.
Bingay, J. W., 821—2.
Bingham, John F., 35—1.
Bingham, W., 176—2.
Binix, N., 221—6.
Binney, A. J., 546—2.
Bird, A. C., 150—64.
Bird, Edgar C., 722—6.
Birdsall, Frederick, 700—1.
Bishop, A. J., 49e—20.
Bishop, G. W., 279—23.
Bishop, H. A., 332—3; 332a—4; 525—15.
Bishop, R. B., 635—8.
Bishop, R. T., 708c—11.
Bishop, W. D., 495—1.
Bishop, W. D., Jr., 525—5.
Bissell, C. M., 517—38.
Bissell, F. M., 587—183.
Bissell, Geo. P., 626—2.
Bissell, H., 68—20.
Bissell, Wm., 362—2.
Bissell, W. A., 29—10; 29—15.
Bissett, James, 370—18.
Bissett, John, 26g, h—8.
Bisset, R., 141—40.
Black, C. C., 240—2.
Black, H. A., 666—4.
Black, J., Jr., 166—25.
Black, Robert, 422—10.
Black, S., 666—2.
Black, W. F., 588—47.
Blackall, R. C., 232—38.
Blackburn, J. W., 463c—15.
Blackburn, V., 521—49.
Blackinton, A. D., 270—4.
Blackman, C. S., 792—53.
Blackmore, Geo. A., 731—5.
Blackstone, T. B., 138—1.
Blackwell, Chas., 473—2.
Blackwood, J. E., 416a—11.
Blaine, E., 154—6.
Blair, A. G., 834—7.
Blair, J. G., Jr., 729—2.
Blair, D. C., 42—2; 373—2.
Blair, J. I., 482—1; 684—1.
Blair, J. L., 24a—28.
Blair, J. T., 716—2; 829—1.
Blair, M. S., 388—4.
Blair, S. S., 587—76.
Blake & Harmel, 115—6.
Blakeslee, C. H., 825—5.
Blakeslee, C. H., 721—4.
Blakslee, A. P., 404—9; 478—3.
Blakslee, J. I., 404—10; 478—1.
Blanchard, Amos, 68—2.
Bland, J. W., 463a—35.
Blankenhorn, L., 413—4.
Blanton, S. T., 646c—4.
Blee, R., 49d—1.
Blickensderfer, J., 792—56; 793c—4; f—8.
Blickensderfer, R., 792c—1.
Bliss, D. L., 808a—2.
Bliss, Wm., 65—1.
Block, H., 49e—25.
Block, W. T., 458a—7.
Blodgett, R., 522—3.
Blodgett, W. H., 812—12.
Blodgett, W. K., 205—2.
Bloisdell, L. L., 64—8.
Blood, C. H., 183—8.
Blood, H. A., 183—1.
Blood, H. W., 41—2.
Bloomfield, R. D., 692—41.
Bloomsburg, R., 587—100.
Blower, J. J., 193—9.
Blue, B. F., 675—6; a—2.
Blue, A. P., 257—34.
Blue, C. F., 257a—12.
Blue, P. H., 350—3.
Blunt, John E., 151—71.
Blythe, B. F., 463b—12.
Boag, R., 309—47.
Boardman, C. W., 141—65.
Boardman, E. A., 792d—6.
Bostman, F. P., 557—15.
Boby, T. W., 282—11.
Bode, A. H., 692—13.
Bodine, De Witt, 842—2.
Bodine, J. A., 10—1.
Bodley W. T., 568—11.
Bodwell, S. B., Jr., 67—25.
Bogart, P. S., 587—102.
Bogart, S. S., 517a—20; 526—14.
Bogart, W. J., 587—161.
Boggs, F. C., 603a—8; C—4.
Boggs, G. B., 603a—6; C—5.
Boggs, Marcus, 167—1.
Bogue, V. G., 792—57.
Boileau, A., 109—5.
Bokee, J. M., 150—7.
Bolan, M., 116—20.
Bolen, James, 246—9.
Bolla, H., 416b—2.
Bolton, C. M., 645—19.
Bomberg, Wm., 463a—25.
Bon, I. M., 709—2.
Bond, B. F., 557—25.
Bond, B. F., 37—31.
Bond, E. A., 112—5.
Bond, F. S., 150—1; 640d—1.
Bond, W., 506—1.
Bond, W. W., 640d—7; e—9.
Bone, J. W., 518—14.
Bonnell, J. G., 141a—29.
Bonner, John, 734a—63.
Bonner, T. R., 376—3.
Bonner, Wm., 367—5.
Bonney, D. M., 698—3.
Bonny, P., 521c—6.
Bonta, A. B., 742—4.
Bonzano, M. F., 603—25.
Booker, D. A., 421—13.
Bookhammer, H. J., 86—16.
Bookwalter, 692—14.
Boon, J. M., 517a—24.
Boone, W. C., 227—3.
Boone, S., 448—5.
Boorsem, W. W., 678—9.
Booth, C. H.,
Booth, H. J., 834—8.
Booth, E. F., 138—12.
Booth, M. P. L., 198—21.
Booth, W. G., 388—6.
Boothby, F. E., 421—5.
Borden, T. E., 280—10.
Borge, F., 734C—13; 734C—c—8.
Borger, H., 463h—11.
Borner, W., 488—57.
Boroff, John, 665—3.
Borst, W. W., 237—10, 29.
Boedevex, E. F., 587—102.
Boedevex, L. A., 587—102.
Bosher, C. H., 419—4.
Bosler, F. E., 350—6.
Bossinger, J. J., 257—20.
Bostick, A. B., 820—4.
Bostock, J. D., 713—5.
Bostwick, J. A., 524—1.
Bosworth, B. C., 29—25.
Bosworth, G. M., 103—24.
Bothmer, R. N., 256—6.
Bottenfield, W. R., 350—11.
Bothwell, T. G., 707—10.
Boulton, G. D., 548—10; 549—4.
Bourland, D. L., 226—4.
Bourn, Allan, 161—5; 248—11; 443—20.
Boutet, H., 4b—8.
Bouvy, J. L., 416a—6.
Bovier, A. P., 726—5.
Bowden, M., 274—5.
Bowdoin, W. G., 12—2.
Bowen, M., 49f—4.
Bower, C. E., 588b—5.
Bowers, A. L., 463e—27.
Bowers, H., 823—4.
Bowes, F. B., 339—68.
Bowes, D., 138—48.
Bowie, O., 589C—1.
Bowman, A. G., 746—6.
Bowman, Frank, 24a—9.
Bowman, J. B., 255—2.
Bowman, J. D., 587—41.
Bowne, T., 521b—4.
Boxall, R. C., 501—5.
Boyce, U. L., 715—2.
Boyce, W. L.,
Boyd, F. G., 150—97.
Boyd, G. W., 587—163.
Boyd, H., 603a—3; b—2; C—2.
Boyd, J., 603a—2; b—1; C—1.
Boyd, J. A., 416d—2.
Boyd, J. F., 222—3.
Boyd, R. E., 589—C8.
Boyd, S. F., 455—5.
Boyd, W. H., 463c—7.
Boyden, C. W., 561—7.
Boyden, J. C., 150—67; 150—91.
Boyer, F. N., 152—4.
Boyle, J. H., 150—81.
Boyle, J. O., 227—36.
Boyle, R., 678—10.
Boyle, St. John, 381—2; 418—1.
Boyts, Jno. H., 215—2.
Boynton, G. E., 151—57.
Brack, Jacob, 700—2.
Brackett, Fred., 692—42.
Brackett, W. R., 67—9.
Bradbury, D. O., 150—99.
Bradbury, E. L., 150—90.
Bradbury, G. L., 393—6; 782—2.
Bradbury, J. O., 710—2.
Bradish, Geo., 397a—1.
Braddock, E., 792e—5.
Bradfield, J. P., 517a—21.
Bradford, E. F., 141—63.
Bradford, R. C., 662—3.
Bradish, Geo.,
Bradley, A. N., 557—22.
Bradley, A. P., 102—3.
Bradley, C. W., 517a—11.
Bradley, E. C., 588—34.
Bradley, H. E., 8—17.
Bradley, John, 419—10.
Bradley, S. D., 583a—12.

Bradshaw, John, 37—27; 304—1.
Bradshaw, R. C., 463—46.
Brady, James, 533—12; 571—26.
Brady, J. M., 660—23.
Brady, W. A., 587—41.
Brady, W. P., 89—5.
Brady, W. W., 706—60.
Bragg, A. R., 463—45.
Brainard, Henry E., 702—3.
Brainard, O., 23—7.
Brainard, W. C. 342—3.
Brainerd, H., 122a—16.
Braisted, A., 744—11.
Braisted, F., 443—17.
Braley B., 563—22.
Branch, Jos. W., 341—1.
Brandt, A., 568—18
Brandt, D. A., 588—75.
Brandt, J., 568—7.
Brandt, W., 151—79.
Brankey, J. C., 339—53.
Brannon, J. H., 463d—26.
Bransford, S. W., 416b—7.
Bransford, Thos. H., 715—7.
Brant, J., 463a—11.
Brasee, J. S., 171—6.
Brasell, J. K., 151c—33.
Bray, F. O., 395—59.
Brayton, B. B., 153—42.
Brayton, J. S., 563—4.
Brazier, F. W., 279—25.
Breckenridge, A. M., 812—29.
Breckenridge, J. E., 655—8.
Brecount, G. S., 417—25.
Breed, S. S., 692—16.
Breeze, N. M., 449—15.
Breisford, R. H., 451—6.
Bremond, E. L., 334a—1.
Brenham, W. L., 443—13.
Brennan, J. C., 692—43.
Brennan, J. J., 692—43.
Brennan, M. J., 150—90.
Brennan, P. D., 490—5.
Brennan, R., 166—22.
Bretherton, C. E., 568—3.
Bretherton, W., 138—33.
Bretherton, W. W., 568—5.
Bretz, C. L., 578—74.
Brewer, A., 785—9.
Brewer, L., 467—3.
Brewer, W. G., 624—8.
Brewster, J. C., 486—5.
Brice, C. S., 257—2; 257a—2; 393—2.
Bricker, I. A., 715—14.
Bride, D., 557—32.
Bridenstein, L. E., 141f—30.
Bridges, J. M., 257—21.
Bridgers, R. R., 26a,h—1.
Bridges, W. S., 143—23.
Briggs, C. E., 141e—18.
Briggs, J. A., 644—17.
Briggs, C. H., 176—13.
Briggs, O. H., 530—7.
Briggs, O. F., 151c—21.
Briggs, R. H., 24—34.
Brigham, L. L., 205—11.
Brightman, T. W., 297—4.
Brignell, J., 821—3.
Brimson, W. G., 392—17.
Brimson, W. H., 146—9.
Brinkerhoff, J. O., 792c—1.
Brinton, J. B., 647—1.
Brittingham, L. D., 200—9.
Brittingham, N., 119b—9; 200—4.
Britton, F. H., 37—56.
Britton, H. M., 660—6.
Broaddus, A., 416c—2.
Brock, Robert, 517a—27.
Brocksmit, J. C., 89—11.
Brockway, H. N., 148—3.
Brodhead, A. G., 404a—8.
Bromley, H., 395—43.
Bromley, I. H., 792—3.
Bromley, R., 707—9.
Bromley, R., 143—24.
Bromwell, O. W., 283—7.
Bronner, E. D., 443—32.
Bronson, C. H., 516—15.
Bronson, H. M., 152—3; 228—6; 348—10; 348a—5.
Bronson, W. J., 463c—6.
Brooder, J. D., 59—3.
Brooke, C., 455—28.
Brooke, G. D., 139—15.
Brooke, R., 645—5; 646—4.
Brookfield, Wm., 1—3.
Brooks, E. F., 122a—9.
Brooks, E. F., 587—99.
Brooks, E. W., 463a—12.
Brooks, H. T., 587—140; 589a—31.
Brooks, James T., 106—7.
Brooks, J. T., 588—5
Brooks, W. B., 587—65.
Brooksmith, L., 393—27.
Brosnihan, M., 150—94.
Brothers, J. S., 803—29.
Broughel, A. J., 323—7.
Broughton, F., 139—6.
Broughton, S. P., 376—10.
Brown, Arthur, 41—3.
Brown, Arthur, 734—9.
Brown, A. L., 835—2.
Brown, B. B., 690—4.
Brown, B. J., 351—2.
Brown, C., 524—31.
Brown, C. A., 150—96
Brown, C. H., 715—16.
Brown, C. R., 475—3.
Brown, D., 500—10.
Brown, David, 309a—10; 309b—9.
Brown, D. E., 103—47.
Brown, D. W., 378—7.
Brown, E., 792b—7.
Brown, E. C., 443—4.
Brown, E. H., 692—30.
Brown, F. A., 87—3.
Brown, F. D., 792—9.
Brown, F. E., 203—5; 484—2.
Brown, F. H., 122a—17.
Brown, F. Q., 283—4.
Brown, F. R., 565—4.
Brown, F. R. F., 103—9.
Brown, G. A., 137—9.
Brown, G. M., 280—18; 298—7.
Brown, G. R., 276—4.
Brown, Hazen, 611—5.
Brown, J. C., 378—4.
Brown, J. C., 771—2, 4.
Brown, J. E., 820—1.
Brown, J. H., 12—3.
Brown, Julius L., 820—8.
Brown, J. M., 298—1; 820—5
Brown, James N., 82—9.
Brown, Jas., 548—14.
Brown, J. S., 242—2.
Brown, J. W., 708a—6.
Brown, Jno. W., 12—1.
Brown, Lot, 141—64.
Brown, L. D., 315—5.
Brown, L. S., 645—48.
Brown, P., 144—7.
Brown, P. W., 151a, b—25.
Brown, R. S., 557—33.
Brown, S., 112—2; 563—21.
Brown, S. H., 151—79; 850—14.
Brown, Theo. F., 168—18.
Brown, T. P., 779—1.
Brown, Theo. F., 8—7.
Brown, W., 378—6.
Brown, Walston H., 87—1.
Brown, Warren G., 835—6
Brown, William, 106—2; 141a—46.
Brown, Wm. A., 378—10.
Brown, W. C., 141—55.
Brown, W. C., 568—11.
Brown, W. G., 603—20.
Brown, W. H., 587—22.
Brown, Wilson, 587—63.
Brown, W. W., 74—9.
Browne, E. C., 141e—28; 141f—19.
Browne, G. A., 489c—7.
Browne, J. S., 708a—5.
Brownell, C. B., 259—6.
Brownell, F. G., 90—7.
Browning, A. W., 692—35.
Browning, C. M., 804—5.
Browning, E., 734a—27.
Browning, E. F., 259—1.
Browning, J. B., 416d—7; 417—22; 418—6.
Browning, J. H., 259—3.
Bruce, H. W., 416—30.
Bruce, James, 166—17, 20.
Bruce, J. R., 102a—10.
Bruce, R., 150—93.
Bruff, Charles, 348—15; 412—9.
Brundage, R. J., 140—22.
Bruner, J. M., 49e—36.
Brunn, C. A., 521—56; 521a—14.
Brunson, C. B., 693—3.
Bruyn, L. D., 35—5.
Bruyn, L. D., 522—4.
Bryan, H. B., 140—20.
Bryan, Joseph, 646e—2.
Bryan, R. W., 692—25.
Bryan, Washington, 28—1.
Bryant, A. S., 65—16.
Bryant, B. H., 193—8.
Bryant, D., 233—24.
Bryant, E. H., 563—22.
Brydges, F. H., 424—3.
Brydon, Geo. F., 29—12.
Bubb, Aleck, 842—9.
Buchanan, A., 138—33.
Buchanan, A. E., 213—2.
Buchanan, J., 233—31; 34.
Buchanan, J., 716—11.
Buchanan, J. A., 521—24.
Buchanan, J. C., 734 C—a—14; C—e—13; C—f—13.
Buchanan, J. R., 151a, b—8.
Buchanan, Wm., 517—35; 517a—23.
Buchanan, W. M., 37—17.
Bucholz, C. W., 521—17.
Buck, Ben., 607—5.
Buck, J. F., 540—24.
Buckingham, E., 792—18.
Buckingham, P. M., 77—5.
Buckley, Edward, 83—1.
Buckley, J., 521—31.
Buckley, J. M., 550—11.
Buckley, T. T., 392—4.
Buckley, Wade, 623—2.
Buckmaster, L. W., 169—14.
Buddington, J. E., 525—14.
Budington, O. A., 825—4.
Buel, H. A., 150—90.
Buel, H. W., 717—1.
Buell, Franklin S., 86—9.
Bullard, A. A., 446—3.
Bullard, L. S., 151—96.
Bullitt, W. C., 540—3.
Bullock, T. S., 631—1.
Bunker, R. A., 274l—3; 597—3.
Burbank, W. P., 203—12.
Burch, C. R., 208—2.
Burch, J. A., 395—35.
Burch, J. C., 138—45.
Burch, M. C., 94—2.
Burchard, H. M., 151—40.
Burdett, J., 122a—8.
Burdett, J. L., 517—33.
Burdett, S. G., 760—7.
Burdick, J. W., 232—15.
Burford, H. M., 257a—7.
Burgard, W. M., 151—97.
Burger, Chas., 646f—3.
Burgdorf, C. W., 792d—6.
Burgess, B., 143—22.
Burgle, J., 86—17.
Burgoon, J. H., 52—1.
Burkart, Milo, 144—6.
Burke, Con., 463e—12.
Burke, J. J., 463e—2.
Burke, J. S., 151—76.
Burke, P. T., 341—3.
Burke, Stevenson, 49c—6; 780—1.
Burke, T., 232—23.
Burks, T. F., 607—2.
Burleigh, J. J., 589d—5; 589e—7.
Burley, D. E., 792—53.
Burlingame, I., 557—28.
Burlingame, J. T., 676—21.
Burlock, A., 150—94.
Burnap, F. A., 571—19.
Burnes, S. M., 495—8.
Burnett, C. M., 458a—11.
Burnett, E. F., 24a—31.
Burnett, J. H., 360—13.
Burnett, T. B., 597—4.
Burnham, A., 150—96.
Burnham, E. B., 122c—8.
Burnham, J. W., 66—10.
Burnham, P. P., 76—2.
Burns, Andrew, 309—53.
Burns, Edward M., 326—1.
Burns, J. J., 240—1; 792—24.
Burns, K. F., 108—1.
Burns, P., 348d—16.
Burns, W. H., 517—46.
Burpee, C. W., 500—10.
Burpee, Moses, 500—7.
Burr, Amos, 443—49.
Burrell, Geo., 232—37.
Burroughs, B. M., 282—14.
Burroughs, Wm. E., 536—4.
Burrows, G. H., 517—40.
Burrows, T. W., 49d—8.
Burruss, E. L., 27—5.
Burruss, N., 27—4.
Burt, Grinnell, 402—1.
Burt, Horace G., 151—48.
Burton, C. H., 150—23.
Burton, Hanson, 150—13.
Burton, John, 526—4.
Burwell, P. L., 221—3.
Bury, R. A., 395—34.
Busby, Arthur, 102a—3.
Busenbark, W. R., 443—9.
Bush, C. B., 443—35.
Bush, D. L., 150—48.
Bush, F. D., 416d—18.
Bush, H. C., 29—13.

Bush, H. W., 377—5.
Bush, L. L., 377—2.
Bushnell, J. W., 282—6.
Bushnell, R. W., 89—14.
Busk, J. R., 449—3.
Buskirk, F. W., 182—13.
Buss, W. D., 182—14.
Bussell, T. W., 309—56.
Butler, C., 803—24.
Butler, C. J., 276—14.
Butler, Geo., 688—5.
Butler, H. A., 820—17.
Butler, H. B., 132—2.
Butler, J., 339—56.
Butler, J. M., 78—1; 303—2.
Butler, L. M., 530—12.
Butler, M. J., 489—9.
Butler, Pierce, 232—34.
Butler, Preston, 587—184.
Butler, P. M., 65—22.
Butler, Theo. H., 196—2.
Butterfield, T., 660—9.
Butterly, P. T., 370a—12.
Buttolph, W. W., 138—33.
Button, M. F., 284—6.
Butts, G., 186—14.
Buxton, C., 780—10.
Buxton, H. G., 606—2.
Byers, H. W., 588—77.
Byington, E. B., 404—3.
Byrne, H., 417—30.
Byrne, J. J., 571—10.
Byrne, T., 238—16.
Bywater, G. G., 793d—9.
Bywater, Jas., 792e—12.

C

Cabell, F. I., 646h—2.
Cable, J. R., 150—56.
Cable, R. B., 603—34.
Cable, R.R., 455—1; 655—2.
Cable, R. R., 153—1.
Cade, I. R., 734C—a—17.
Cadle, C., Jr., 95—3.
Cadman, J., 639—7.
Cadogan, Geo., 619—10.
Cady, B. M., 208—3.
Caffrey, John, 346—9.
Cahill, R., 463a—11.
Cahill, T., 463a—11.
Cahill, Thomas, 814—11.
Cain, B. B., 376—4, 7.
Cain, Chas., 370b—6.
Cain, J. G., 420—2.
Cake, F. C., Jr., 684—5.
Caldwell, B. F., 29—26.
Caldwell, C., 402—8.
Caldwell, D. W., 518—1.
Caldwell, F. M., 588—72.
Caldwell, I., 96—9.
Caldwell, John M., 841—2.
Caldwell, S. A., 603—5, 46.
Cale, G. W., 688—8.
Calef, A. H., 463a—5; 463h—3; 682—4.
Calhoun, J. C., 143—4.
Calhoun, J. J., 259—7.
Calkins, D. M., 49a—6.
Callahan, J. G., 691—10.
Callahan, M., 545—4.
Callaly, M., 141a—46.
Callaway, S. J., 197—8.
Callaway, S. R., 792—27; 793b—3; 793f—4.
Callaway, W. R., 103—37.
Callery, James, 37c—1, 3.
Callopy, J. H., 518—26.
Calm, M., 174—2.
Calvert, T. E., 141a—9.
Cameron, J. S., 141a—3.
Cameron, W., 335—6; 336—6.
Campbell, A., 141a—13; 422—13.
Campbell, A., 734a—61.
Campbell, Allen G., 97—2
Campbell, B., 571—6.
Campbell, C. H., 37—63.
Campbell, E. A., 334—7.
Campbell, E. P., 521—19.
Campbell, G., 310—2.
Campbell, G. H., 463—50.
Campbell, G. R., 780—11.
Campbell, H. D., 37c—6.
Campbell, John, 404a—13.
Campbell, J. D., 348—4; 422—11; 536—5.
Campbell, J. L., 138—40.
Campbell, J. W., 707—13.
Campbell, L. W., 150—91.
Campbell, P., 712—3.
Campbell, R. A., 143—33.
Campbell, R. B., 150—41.
Campbell, S. L., 561—4.
Campbell, T. C., 146—2.
Campbell, T. D., 417—28.
Campbell, W., 569b—12.
Campbell, W. R., 848—2.
Campron, J. J., 417—23.
Canda, C. J., 780—2.
Candee, G. H., 187—2.
Candler, J. W., 283—1.
Candler, W. L., 283—3.
Canfield, A. C., 278—2.
Canfield, E., 526—7.
Canfield, H., 587—102.
Canfield, John, 328—1.
Canfield, Robt. H., 276—5.
Canniff, W. H., 395—74.
Cannon, C. H., 692—23.
Cannon, Le G. B., 232—2.
Cannon, M., 289—6.
Capron, D. S., 792a—3.
Carbus, H. J., 395—62.
Card, C. W., 141d—13.
Cardwell, D., 645—35.
Cargill, H. L., 283—12
Carlss, W., Jr., 589i—4.
Carhart, E. B., 619—9.
Carlaw, J. A., 309—67.
Carle, J. D., 89—31.
Carley, F. D., 381—1.
Carlisle, F., 589b—15; 589c—18.
Carlisle, Hugh, 764—2.
Carlisle, J., 49e—22.
Carlsen, J., 412—6.
Carlsen, P., 571—94.
Carlton, H., 37—29.
Carlton, P. J., 656—1.
Carmody, T., 415—24.
Carnes, E., 151c—40.
Carney, James, 634—7.
Carothers, D. D., 196—8.
Carothers, W. H., 587—41.
Carpenter, A. V. H., 150—68.
Carpenter, C. A., 619—2.
Carpenter, E. P., 430—1.
Carpenter, G. A., 430—3.
Carpenter, J. E. R., 492—1.
Carpenter, Michael, 639—10.
Carpenter, S., 587—169.
Carpenter, W. A., 161—7; 248—6.
Carr, G. R., 198—5.
Carr, G. W., 243—4.
Carr, H. B., 587—132; 589a—22.
Carran, R. A., 801—6.
Carret, Chas. T., 531a—8.
Carrick, W. D., 150—74.
Carriveau, A. J., 67—27.
Carroll, F. H., 619—4.
Carroll, J., 848—6.
Carroll, P. M., 237—38.
Carroll, Richard, 640—2.
Carroll, W. P., 416b—5.
Carruth, W. H., 18—1.
Carson, C. H., 119—14; a—6.
Carson, J. B., 159—1; 417—2.
Carson, J. D., 159—4.
Carson, Wm., 263—2.
Carson, W. F., 550—69.
Carse, James, 244—8.
Carstensen, J., 517—8.
Carter, C. M., 141e—27; 141f—15; 141h—4.
Carter, Frank, 603—56.
Carter, H. D., 660—7.
Carter, H. H., 589b—14; 589c—17.
Carter, John, 634—8.
Carter, J. J., 74—1.
Carter, N. M., 771—35.
Carter, R. C., 489—6; 489a—5; 489b—4; 489c—5.
Carter, S. B., 63—5.
Cartter, A. J., 141e—20.
Carver, E. E., 116—13.
Cary, A., 561—13.
Cary, A. L., 449—5.
Cary, C. S., 212—2.
Cary, J. W., 150—12; 851—4.
Casanave, F. D., 588—75.
Case, C. W., 150—27; 452—2.
Case, E. C., 684—3.
Case, G., 150—89.
Case, Newton, 713—1.
Case, O. D., 713—2.
Cason, E. F., 26g, h—14.
Cassady, R. B., 849—4.
Cassatt, A. J., 589i—1.
Cassatt, J. G., 53—2; 589i—3.
Cassetty, J. S., 416c—7.
Cassidy, P. H., 536—6, 3.
Cassin, O. T., 734a—26.
Caswell, M. M., 76—5.
Catcher, C., 548—15.
Caten, L., 284—4.
Catron, T., 176—19.
Caufy, L. L., 443—48.
Caul, W. A., 176—12.
Caulk, T. F., 420—5.
Caum, E. L., 587—41.
Cavanaugh, J. B., 850—32.
Cavanaugh, T., 138—34.
Cave, E. W., 335—5; 336—5; 336a—3.
Cavis, C. H. V., 428—8.
Central Trust Co., 116—26; 646—6; 672—15.
Celaya, Simon, 649—2.
Chadbourn, J. B., 844—4.
Chadbourn, J. H., Jr., 844—2.
Chadbourn, W. H., 844—1.
Chadbourn, W. H., Jr., 844—3.
Chaffee, A. B., 736—2.
Chaffee, B., 743—1.
Chalfant, John W., 37c—2.
Chalk, Thomas, 742—10.
Chamberlain, E., 517—45.
Chamberlain, E. C., 622—6.
Chamberlain, G. T., 49b—24.
Chamberlain, H. B., 521—13.
Chamberlain, H. S., 651—1.
Chamberlain, J. T., 65—23.
Chamberlain, R. H., 153—33.
Chamberlain, S., 186—1.
Chamberlain, W. W., 151—85.
Chamberlaine, W. W., 708a—2.
Chamberlin, A., 441—2.
Chamberlin, E. J., 101—4.
Chamberlin, H. E., 203—4.
Chambers, A. D., 233—6.
Chambers, Chas. H., 517—27.
Chambers, F. F., 233—5.
Chambers, Geo., 24a—21.
Chambers, I. P., 517—9; 517a—1.
Chambliss, W. P., 191—1.
Champ, W. S., 309—65.
Champe, B. F., 416c—7.
Champion, S. W., 310—4.
Chancellor, W. N., 559—2.
Chandler, C. C., 141e—17; 141f—16; 141h—8; 557—10.
Chandler, D. W., 849—3.
Chandler, F., 812—8.
Chandler, F. B., 426—6.
Chandler, J. A., 150—95.
Chandler, O. M., 24a—5.
Chandler, Wm. H., 670—3.
Chanute, O., 140—18.
Chaphe, W. H., 276—12.
Chapin, A. D., 322—6.
Chapin, H. B., 65—8.
Chapman, C. J., 151a, b—22.
Chapman, C. W., 113—3.
Chapman, E. R., 813—1.
Chapman, G. F., 792b—11.
Chapman, G. D., 388—1.
Chapman, H. T., Jr., 412a—1.
Chapman, J. B., 792c—10.
Chapman, J. R., 237—15.
Chapman, T. L., 516—21.
Chapman, V. B., 618d—11.
Chapman, W. C., 151—78.
Chapman, W. O., 183—2.
Chappell, C. H.—138—4.
Charles, R. S., 339—17.
Charlesworth, T. J., 395—57.
Charlton, A. D., 550—55.
Charlton, E. T., 119c—6.
Charlton, G. J., 138—7.
Charlton, J., 138—6.
Charlton, J. L. G., 468—7.
Charlton, W. O., 119—13.
Charnley, S., 150—85.
Charplot, S. A., 119—23.
Chase, A. H., 148—3.
Chase, A. S., 550—80.
Chase, D. C., 587—120.
Chase, D. J., 24—14; 24f—13.
Chase, F. A., 141f—23; 141h—11.
Chase, M. S., 395—13.
Chase, W. M. 203—8.
Chauncey, Geo W., 80—3.
Chauncy, W. H., 660—14.
Cheeley, H. B., 65—20.
Cheeney, Chas. S., 739—3.
Chellet, Geo. W., 339—29.
Cheney, E. O., 723—3.
Cheney, F. W., 739—1.
Cheney, R. O., 739—2.
Cherry D. S., 436—3.
Chesebrough, J. M., 803—8.
Chesebro, C. P., 812—16

Chester, C. C., 426—9.
Chester, J. S., 713—4.
Cheyney, H. C., 151a,b—30.
Childs, Geo. I., 122c—3.
Childs, J. E., 526—5.
Childs, W. A., 325—4
Chipley, C. A., 587—155.
Chipley, W. D., 593—2.
Chisholm, W. H., 108—2.
Chisholm, W. S., 618c—2.
Chittenden, E. A., 122a—11.
Choate, C. F., 563—1; 791—1.
Choate, J. K., 792d—1.
Choupain, W., 734C—14.
Chouteau, S. A., 256—3.
Christiancy, J. W., 810—34.
Christie, A., 691—18.
Christie, D. M., 150—73.
Christman, J., 303—5.
Christophel, F., 151c—37; 693—6.
Christopher, H. S., 463—39.
Christopher, R. D., 468—14.
Chrystie, P. W., 463a—36.
Church, A. C., 840—2.
Church, C. J., 579—2.
Church, E. W., 680—4.
Church, L. Ruggles, 620—1.
Church, M. C.C., 397a—2.
Church, P. K., 463a—27.
Church, S. R., 63—3.
Church, S. H., 588—33.
Church, W. A., 603—3, 8, 44, 49.
Church, W. R., 679—5.
Churchill, M., 52—3.
Churchman, H., 207—7.
Claghorn, J. R., 521d—2; 603a—5.
Claggett, J. H. M., 152—9; 228—10; 348—16; 348a—15.
Claire, R. K., 101—10.
Clancy, John, 640b—9.
Clancy, M., 276—15.
Clapp, C. C., 54—4.
Clapp, E. A., 49b—35.
Clapp, E. T., 524—21; 521a—3.
Clapp, S. F., 141b, c—15
Clapp, S. W., 370d—5; 370b—5; 375—5.
Clark, A. E., 521a—4.
Clark, B. F. R., 812—41.
Clark, C. C., 356—3.
Clark, Charles, 623—4.
Clark, C. E., 119—29.
Clark, C. H., 90—5; 122a—15.
Clark, C. P., 525—1.
Clark, C. W., 463f—6.
Clark, D., 404a—12.
Clark, E., Jr., 517—12.
Clark, Edward, 717—7.
Clark, Edwin, 623—8.
Clark, F., 141d—8; 384—8.
Clark, F. M., 669—4.
Clark, F. W., 708b—6; c—6
Clark, G. B., 335; 336—1; 416—34.
Clark, H. A., 852—4.
Clark, H. F., 461—2.
Clark, H. F., 640d—5; e—4.
Clark, H. G., 463a—9.
Clark, H. L., 256—4; 840—3.
Clark, H. P., 26—10; 645—49.
Clark, I. W., 105—9.
Clark, J., 191—4; 463d—29.
Clark, James T., 151c—10.
Clark, J. C., 339—1.
Clark, J. C., 150—90.
Clark, J. C., 384—12.
Clark, J. S., 314—5.
Clark, J. T., 150—24.
Clark, J. W., 734a—35.
Clark, L. C., 737—2; 745—2.
Clark, Lee, 582—4.
Clark, M. J., 159—2.
Clark, N. F., 122a—18.
Clark, S. H. H., 463a—3; 463b—2; 463d—2; 463e—2.
Clark, T. C., 161—18.
Clark, W. A., 95—1.
Clark, W. G., 650—2.
Clark, W. L., 119b—3; 200—3.
Clark, W. V., 120—10.
Clarke, A., 640c—5.
Clarke, Benj. G., 335—2; 336—2.
Clarke, C., 463b—40.
Clarke, C. C., 227—7.
Clarke, Chas. C., 517—3.
Clarke, C. W., 463b—48.
Clarke, F. B., 151c—8.
Clarke, G. M., 151—80; 481—4.
Clarke, H. W., 339—46.
Clarke, J. C., 149—1; 525—20.
Clarke, L. H., 395—15.
Clarke, P., 548—7.
Clarke, Randolph, 309—40
Clarke, T. E., 455—4.
Clawson, J. W., 771—29.
Clawson, T. W., 376—11.
Clay, C. C., 517a—29.
Clay, Jas. F., 561—14.
Claypool, E. F., 677—1.
Clayton, G. N., 812—37.
Clayton, P., 272—2.
Cleary, M., 181—9; 832—6.
Cleaver, F. C., 803—23.
Cleburne, J., 792a—15.
Clement, C. F., 454—14; 456—12.
Clement, J. M., 618—5
Clements, H. C., 24—18; 24d—6; 24f—8; 24g—7.
Clements, J. B., 463—11.
Cleveland, C. A., 854—5.
Cleveland, E. E., 205—10.
Cleveland, H. C., 205—4.
Cleveland, J. F., 151—36.
Clifford, C. J., 521a—41.
Clifford, J. G., 416a—17.
Clifford, M., 67—25.
Clifford, T. C., 850—31.
Clifton, W. C., 416b—7.
Clinch, R. T., 6—1.
Cline, J. F., 780—3.
Clinton, Chas., 763—1.
Clinton, G. O., 150—43.
Cloud, J. W., 521—28; 587—28.
Clough, O. W., 517—46.
Clough, W. P., 550—38.
Closson, Jas. T., 644—3.
Clute, C. A., 517b—5.
Clymans, G. W., 517a—14; 526—12; 814—9.
Coale, J. M., 589—18.
Coapman, E. H., 116—18.
Coats, A., 463d—53.
Coats, C. C., 587—110.
Cobb, S. H., 677—5; 680—3.
Cobb, W. B., 237—25.
Coburn, H., 151c—35.
Cochran, G. G., 521a—2.
Cochrane, J. F., 150—21.
Cochrane, P. J., 735—11.
Cockfield, J., 151—78.
Cody, Jas., 416b—3.
Coddington, G. W., 734a—24.
Coe, W. W., 540—13.
Coffey, John, 688—40.
Coffin, E. W., 589d—9; 589e—11.
Coffin, W. B., 521—61; 521e—4.
Coghlan, John, 71—5.
Cogswell, H. C., 332—6.
Cohen, I., 335—20; 336—20.
Coit, H. R., 717—2.
Coit, Robert, 122b—1.
Coke, Alex., 463—38.
Colburn, F. M., 677—2; 680—2.
Colburn, R. T., 136—2.
Colby, C. L., 850—3.
Cole, C. A., 449—28.
Cole, C. B., 811—2.
Cole, Chas. L., 588—51.
Cole, E. A., 622—9.
Cole, H. C., 811—3.
Cole, H. K., 325—3.
Cole, L. M., 37—15.
Cole, M. D., 524—33.
Cole, Nathan, 811—1.
Cole, W. M., 524—34.
Cole, W. Q., 339—14.
Coleman, H., 415—24.
Coleman, James, 102b—1.
Coleman, J. J., 417—9.
Coleman, J. W., 339—28.
Coleman, J. W., 543—1
Coleman & Glasson, 498—3
Coleman, L. R., 513—2
Coleman, R. H., 211—1; 360—1.
Coleman, W. G., 282—7.
Coler, C. S., 16—6.
Coles, Frank, 23—5.
Coles, Samuel, 747—4.
Colhoun, J., 603—25.
Collbran, H., 640—9.
Coller, C., 141e—22.
Coller, C., 417—11.
Collett, A. M., 792a—12.
Collier, J. E., 299—11.
Collier, J. J., 415—5; 415—21; 418—5.
Collier, M. L., 820—12.
Collings, C. T., 381—3.
Collins, J. R., 517—14.
Collins, John, 449—29; 463d—45.
Collins, R. S., 334—6; 334a—3.
Collins, S. J., 150—47.
Collins, W. G., 150—45; 851—2.
Collins, W. W., 150—44.
Collopy, E., 521a—31.
Collopy, P., 521a—30.
Collver, D. Jay, 49b—12.
Colpetts, H. G., 690—6.
Colusa Co. Bank, 202—4.
Colville, R. W., 141—50.
Coman, E., 24c—13.
Comins, J. W. 41—5.
Conant, J. A., 177—10; 196—10.
Conant, L. H., 139—5.
Conant, S., 283—5.
Conant, W. H., 625—2.
Concannon, J. H., 325—6.
Condell, W. S., 141—68.
Cone, Hy. D., 523—2.
Conger, E. A., 518—11.
Conger, J. N., 331—3.
Conger, J. S., 138—23.
Conklin, D. H., 767—2.
Conklin, Ira, 834—19.
Conley, P., 161—36.
Connel, T., 832—7.
Connell, D., 455—25.
Connell, David, 29a—7.
Connell, J. D., 734C—11.
Connell, J. M., 24a—18.
Conner, Wm. S., 235—1.
Conners, J. B., 778—8.
Conniff, M., 67—25.
Conniff, T. E., 416b—7.
Conolly, Jno. J., 151a, b—20.
Connolly, J., 49e—18.
Connor, Andy, 463—47.
Connor, G. L., 563—6.
Connors, E. O., 49e—7.
Considine, G. W., 716—8.
Consigny, N. B., 115—3.
Converse, C. A., 122a—12.
Converse, Jos. H., 20A—1.
Converse, W., 550—21.
Conway, F., 384—7.
Conway, J. J., 339—56.
Cook, C. C., 104—2.
Cook, C. F., 778—4.
Cook, C. M., 588—75.
Cook, C. W., 24c—3.
Cook, E. W., 313—6.
Cook, G. G., 280—11.
Cook, H. A., 370c—9.
Cook, H. H., 46—4.
Cook, J. H., 688—38.
Cook, Jno. S., 299—8.
Cook, M. E., 525—20.
Cook, Thomas V., 102a—7.
Cook, T. R., 780—15.
Cooke, Allen, 143—12.
Cooke, A. M., 419—3.
Cooke, E. B., 274—7; 274b—7.
Cooke, E. B., 645—16.
Cooke, L., 416—31.
Cooke, R. B., 589i—6.
Cooke, S. H., 645b—5.
Cooley, G. W., 453—8.
Cooley, M. W., 734a—48.
Cooley, W. P., 792—54.
Coolidge, E. B., 834—17.
Coombs, C. A., 66—5.
Coombs, J. C., 153—46.
Coombs, Wm., 49e—13.
Coomer, A. G., 57—8, 10.
Cooney, James F., 169—18.
Coons, James, 445—7.
Cooper, C. A., 475—5.
Cooper, C. J., 87—14.
Cooper, E. A., 790—3.
Cooper, H. L., 393—15.
Cooper, James, 765—2.
Cooper, J. A., 242—3; 521a—15.
Cooper, J. S., 350—10.
Cooper, R. H., 219—8.
Cope, F., 793d—6.
Copeland, G. F., 691—6.
Corbett, H. D., 150—91.
Corbin, Austin, 267—1; 348—2; 412—1; 412b—1; 536—1; 601—1; 603—1, 6, 42, 47; 843—1.
Coriell, S. G., 387—2.
Corcoran, J. W., 614—21.
Coria, J. W., 151a, b—82.
Corinth, A. H., 257—30.
Corlies, E. W., 538—4.
Cormack, Wm., 850—26.
Corneau, W. B., 810—2.
Corn Exchange Bank, 153—26.
Cornell, C. H., 150—90.
Cornell, D. E., 792—39.
Cornell, Geo. B., 79—9.
Cornell, Thomas, 789—1.
Corner, W. S., 203—1.
Correll, G. E., 151—58.
Corser, D. F., 309—55.
Corson, G. H., 666—7.

Cory, J. L., 232—37.
Corry, W. H., 166—15.
Cosgrove, C. A., 150—49.
Cosgrove, W. P., 151—69.
Costello, T. J., 49d—3.
Cott, W. N., 198—4.
Cottingham, E., 446—4.
Cotrell, H., 313—2.
Coulter, C. W., 416—8.
Coulter, J. P., 557—14.
Couch, C. B., 395—45.
Couch, D. S., 355—5.
Coughlin, J., 141a—46.
Coughlin, Wm., 150—90.
Couper, W. P., 283—10.
Couch, W. S.
Cowgill, W. C., 363—4.
Courtenay, W. H., 416b—1.
Courtney, J. C., 820—9.
Courtney, T. L., 647—4.
Courtney, W. H., 395—51.
Courtright, C. W., 370a—3
Courtright, H. H., 138—8.
Courtwright, Wm., 181—6.
Courville, C., 818—4.
Covert, C. A., 197—7.
Cowan, John, 8—12.
Cowan, R. A., 151—58.
Cowans, H. T., 219—7.
Cowans, J. R., 219—8.
Cowans, R., 219—2.
Cowen, J. K., 37—23.
Cowing, J. R., 153—7.
Cowles, A. D., 37c—16.
Cowley, David, 587—127.
Cowley, P., 458—15.
Cox, A., 151c—40.
Cox, Allyn, 50—3; 276b—3.
Cox, H. F., 587—24.
Cox, J. E., 150—90.
Cox, J. J., 141a—45.
Coxe, Frank, 126—1.
Coxe, Henry B., 160—1.
Coxe, J. W., 540—10.
Coxe, W. E. C., 603—57.
Coykendall, Geo., 747—2, 5.
Coykendall, S. D., 747—1.
Coyne, B. W., 103—30.
Coyne, P., 29—31.
Crabtree, C. L., 734—18.
Craft, Geo. T., 633—4.
Craig, C. P., 37—32.
Craig, John, 645—17; 646c—2; 646d—2.
Craig, J. W., 618b—11.
Craig, William, 736—9.
Craig, W. J., 119c—8.
Craik, J. T., 416b—6.
Cram, Frank W., 40—2.
Cram, F. W., 500—4.
Crampton, J., 453—15.
Crance, S. E., 141e—8.
Crandall, M., 151—79.
Crandall, E. M., 141f—30.
Crandell, J., 785—5.
Crandon, F. P., 151—37.
Crane, A., 270—5.
Crane, A. S., 139—10.
Crane, C. S., 812—9.
Crane, H., 151—80.
Crank, J. F., 413—1.
Cranner, T. E., 419—23.
Crapo, W. W., 280—1.
Crary, Jerry, 777—4.
Craven, A. E., 715—4.
Craven, R., 589b—3; 589h—3.
Crawford, A. W., 260—6.
Crawford, B. F., 587—17.
Crawford, C. M., 332a—5.
Crawford, F. C., 808—18.
Crawford, J., 587—107.
Crawford, J. M., 271—6.
Crawford, N. McD., 587—47.
Crawford, S. B., 37—44.
Crawley, J. M., 734a—15.
Crawley, W. A. 644—11.
Creacer, J. A., 696—4.
Creighton, G. W., 589d—6; 589e—8.
Creighton, J. V., 550—81.
Cresson, G. L., 151c—30.
Crippen, J. A., 432—4.
Crippen, J. W., 150—94.
Crocker, A. H., 154—8.
Crocker, Chas., 734—3; B—a—1; B—b—3.
Crocker, Chas. F., 440—1; 734—4; B—a—2; B—b—4.
Crocker, F. M., 29—9.
Crocker, Geo., 395—73.
Crocker, J. T., 150—25.
Crockett, J. G., 153—39.
Croes, J. J. R., 750—3.
Cromlish, W. L., 37c—8.
Cromwell, C. H., 174—5; 824—4.
Cronan, D., 688—40.
Cronin, T., 463e—11.
Crosbie, P. J., 463—39.
Crosbie, P. J., 771—35.
Crosby, Geo. W., 580—3.
Crosby, G. H., 141—70; 141a—17; 141a—43; 141e—41.
Crosby, G. H., 153—17.
Crosby, H. A., 675—4.
Crosby, M. J., 734a—36.
Crosier, G. M., 395—38.
Cross, A. B., 329—4.
Cross, H. C., 682—2.
Cross, Geo. L., 416d—11.
Cross, J. N., 453—9.
Cross, J. S., 584—6.
Cross, W., 103—34.
Crossley, O., 518—22.
Crouch, W. V., 512—2.
Crouse, G. T., 268—3.
Crowell, C., 728—5.
Crowell, M. L., 782—5.
Crowell, T. R., 211—4.
Crowley, J. G., 631—6.
Crowley, W., 29—31.
Croyle, J. T., 534—19.
Cruft, J. W., 803—2.
Crum, I. T., 734a—43.
Crume, W. E., 640e—7.
Crysler, J. W., 151—78.
Cubbedge, B. J., 119—15.
Cuddeback, A. T., 521—20.
Culbertson, Sam. D., 37c—12.
Cull, R. J., 393—25.
Cullen, H. J., 531a—2.
Cullen, J., 491—11.
Culp, D. R., 808a—10.
Culp, J. M., 416c—1; 575—6; 593—8.
Culp, W. N., 416c—7.
Culver, Albert, 319—2.
Culver, A. R., 634—1.
Culver, W. H., 16—1.
Cummer, W. W., 94—1.
Cummings, C., 736—19.
Cummings, C. C., 561—12.
Cummings, C. H., 404a—17.
Cummings, C. R., 393—1; 597—2.
Cummings, Geo. A., 143—26.
Cummings, G. M., 792—25, 28.
Cummings, L. M., 743—3.
Cummings, S. W., 122—2; 122b—4; 122c—5.
Cummins, Geo. L., 587—98.
Cummins, H., 516—37.
Cummins, J. M., 348—20.
Cummiskey, C. C., 550—45.
Cunningham, H. B., 780—14.
Cunningham, J. L., 480—2
Cunningham, T. M., 119—11.
Cunningham, W. E., 141b, c—16.
Curley, T. R., 107—6.
Currier, W. W., 660—16.
Curry, D. J., 742—2.
Curry, Edward, 744—4.
Curry, H., 640d—9.
Curry, John, 150—90; 238—2.
Curry, J. P., 518—8.
Curry, Wm., 49e—24.
Curtis, C. P., 519—9.
Curtis, Geo. W., 415—8.
Curtis, Henry M., 615—2.
Curtis, Jos., 531—6.
Curtis, R. G., 508—4.
Curtis, W. G., 734a—4.
Cushing, G. W., 550—13; 603—13.
Cushing, J. R., 49e—5.
Cutcher, J. H., 295—10.
Cutler, L. J., 179—6.
Cutler, W. P., 425—1.
Cutter, C. L., 186—3.
Cutter, E. P., 557—2.
Cutting, W. B., 675—1.
Cutts, G. W., 140—21.
Cuyler, C. H., 141—39.
Cuyler, E. J., 151—42.

D.

Dabney, C. T., 646h—3.
Dabney, Frank, 140—9.
Dacey, John, 138—34.
Dadmun, G. A., 589b—8.
Daggett, G. E., 524—31.
Daggy, Peter, 339—33.
Dahmer, John, 512—4.
Daffin, L. A., 335—11; 336—11.
Dailey, A. F., 122c—13.
Dailey, A. G., 443—40.
Dailey, J. B., 792c—11.
Daily, G. J., 161—12.
Daily, J. H., 141a—46.
Daily, James, 69—5.
Daily, John, 18—5.
Daily, T., 463c—12.
Dalby, J. W., 463a—9.
Dale, T. D., 425—3.
Dallas, W. C., 151c—34.
Daly, A. C., 116—19.
Daly, J., 458—11.
Daly, L. W., 815—8.
Daly, M. R., 86—17.
Daly, T. M., 29—24.
Damon, W. E., 415—3.
Dana, J. W., 624—2.
Dana, N. J. T., 473—1.
Dana, S. E., 692—20.
Dancy, T. H., 150—46.
Danforth, F., 288—6.
Danforth, F. L., 84—1.
Danforth, G. L., 445—5.
Danforth, P. S., 445—3.
Daniel, C., 98—10.
Daniel, J. W., 378—6.
Daniel, L. S., 734c—d—8.
Daniel, S. G., 628—3.
Daniel, W. W., 197—6.
Daniels, G. S., 227—13.
Danley, W. L., 491—6.
Dargan, E., 334—4.
Darlington, F. G., 171—3.
Darlington, F. G., 588—48.
Darlow, E. R., 803—5.
Darrach, E., 603—28.
Darrah, A., 665—1.
Darlton, C. A., 645—23.
Dauchy, W. E., 141a—46.
Daugherty, A. R., 150—97.
Davant, J. S., 257a—8.
Davant, T. S., 257—9.
Davenport, W. J., 141—57.
Davey, J. R., 173—1.
Davidson, B. R., 578—1.
Davidson, C. S., 322—4.
Davidson, C. S., 525—8.
Davidson, J., 353—4.
Davidson, J. E., 171—2.
Davidson, J. E., 255—3.
Davidson, J. E., 288—13; 288b—4.
Davidson, W. M., 618c—18.
Davies, C. A., 416b—6.
Davies, E. C., 269—5.
Davies, J. M., 130—5.
Davies, T. A., 792b—10.
Davies, W. O., 150—87; 150—89.
Davies, W. W., 26—13; 645—53.
Davis, A. E., 741—2.
Davis, D. D., 792—15.
Davis, E., 367—1.
Davis, E. H., 24e—10.
Davis, E. M., 37—51; 521d—1.
Davis, Frank H., 707—2.
Davis, F. M., 419—5.
Davis, F. V., 143—8.
Davis, F. W., 458—10.
Davis, G., 89—31.
Davis, G. L., 778—10.
Davis, G. T. M., 2—2; 570—5.
Davis, G. W., 171—4.
Davis, G. W., 406—2; 588—55.
Davis, H. C., 389—1.
Davis, H. C., 550—53.
Davis, H. G., 831—1.
Davis, J. A., 489—10; 489c—8.
Davis, J. B., 517a—23.
Davis, J. H., 26 g, h—9.
Davis, J. M., 150—94.
Davis, J. R., 448—4.
Davis, J. R., 587—139; 589a—30.
Davis, J. W., 46—5.
Davis, J. W., 37—5; 37f—4.
Davis, L., 205—14.
Davis, M. R., 662—6.
Davis, N. L., 122a—20.
Davis, R. T., 141—47.
Davis, Samuel, 482—3.
Davis, T. B., 831—4.
Davis, T. R., 587—181.
Davis, W. D., 463b—45.
Davis, W. E., 309b—10; 309a—11.
Davis, W. H., 587—117.
Davis, W. R., 413—7.
Davis, W. S., 314—4.
Davis, Z. B., 785—8.
Davison, G. S., 611—4.
Dawes, A. C., 141e—12; 141f—9; 141h—6.
Dawes, C. M., 141—16.
Dawley, E. P., 530—11.
Dawson, W., 233—11.
Day, C. S., 660—2.
Day, F. M., 153—31, 55.
Day, H. R., 652—6.
Day, J. F., 90—8.
Day, John O., 688—3.
Day, L. F., 676—18, 28.
Day, Orrin, 114—4.
Day, W. H., 26 g, h—10.
Dayton, A. O., 589d—4; 589e—5.
Deal, T. M., 459—2.

Deal, J. W., 792—38.
Dean, Charles, 150—53.
Dean, Frank A., 614—5.
Dean, Mark, 578—3.
Dean, T., 463c—28.
Dearborn, T. H., 37—33.
Dearing, H P., 161—14.
Dearing, H. P., 443—14.
De Armond, W. C., 540—11.
Debevoise, G. W., 619—1.
De Bremon, F. A., 521—27.
De Caradene, A., 735—8.
Decker, J. H., 789—7.
De Clark, C., 615—5.
De Clark, T., 568—14.
De Corsey, J., 569a—10.
Dee, Patrick, 206—11.
Deering, C. J., 609—3.
Defrees, M. M., 348—12; 348a—10.
De Forest, Robert W., 35—3.
Delamater, G. W., 434—1.
Delamater, T. A., 434—5.
Delamater, V. M., 434—4.
Delamere, T. J., 550—15.
Delaney, F. D., 792b—5.
Delaney, H., 415—24.
Delaney, J., 443—50.
De Laney, J., 74—10.
Delaney, T., 801—10.
Delaney, W. A., 587—159.
Dell, John C., 119e—2.
Demaden, H., 463a—11.
Demarest, C. T., 533—7.
Demarest, G. W., 589a—19.
Demarest, Isaac D., 509—2.
Demarest, I. I., 533—6.
Demene, P. A., 567—1.
Deming, C. C., 360—3.
Deming, H. C., 509—3.
Deming, L. C., 360—4.
Deming, W., 717—3.
Dench, Geo W, 117—4.
Denham, W. B., 283—13.
Denio, A. O., 589b—11.
Denison, J. N., 141a—5.
Dennis, J. H., 759—3.
Dennis, M. T., 792—52.
Denny, A. A., 559b—2.
Densmore, W. A., 205—8.
Dent, C. H., 463—20.
Denver, J., 525—17.
Depew, C. M., 517—2; 517a—1.
Depew, H. S., 468—6.
Derby, M. M., 618—15.
Dering, H. R., 588—69; 803—9.
Derland, Asbury, 321—2.
Derrah, S. V., 24a—33.
Derum, M., 141a—43.
Derr, W. L., 521—47.
De Shields, Geo. D., 37—37.
Deshon, R. P., 469—5.
Desjardins, A., 109—6.
Detering, H., 141—41.
Desaussure, C. A., 257a—9.
Devereux, H. K., 49c—5, 11.
Devereux, J. J., 24a—19.
Devers, J. S., 463b—33.
Devlin, Jno., 463d—43.
Devoe, Jacob, 703—7.
Devlin, J. S., 610—6.
Devrice, R. T., 37—54.
Dewey, F. H., 524a—1.
Dewing, Chas. A., 7—2.
Dewing, J. H., 7—3.
Dewing, Wm. S., 7—1.
De Wolf, Henry, 149—3; 339—15.
De Wolf, M. A., 810—30.
De Wolfe, J., 49b—13.
Dexter F. Gordon, 20B—1; 24q—2; 24h—1.
Dexter, Wirt, 141—15.
Dickens, F. A., Jr., 618—8.
Dickey, G. R., 585—3.
Dickson, Joseph, 679—6.
Dickey, J. J., 792—48.
Dickey, J. L., 820—6.
Dickey, J. M., 539—6.
Dickey, T. J., 279—22.
Dickson, J. A., 86—17.
Dickson, Parker, 640—26.
Dickson, T., 588—77.
Dickson, T. C., 262—3.
Dickson, W. L., 458a—8.
Dickinson, A. W., 463—16.
Dickinson, E., 792—31.
Dickinson, J. W., 463b—8.
Diddle, W. G., 152—8.
Diebert, F. W., 463a—16.
Diehl, H. C., 348—8.
Diener, J., 595—3.
Diefenbach, C., 622—10.
Diffenbeck, W. R., 74—8.
Diggins, H. W., 370d—11.
Dill, H. R., 516—23.
Dill, S. L., 28—4.
Dillingham, Chas., 335—1, 2; 336—1, 2; 336a—1.
Dillon, H. P., 793c—3.
Dillon, J. F., 792—21.
Dillon S., 672—3.
Dillon and Swayne, 463—27.
Dimon, I., 150—89.
Dingee, F. A., 856—1.
Dinkey, J.F., 87—4; 653—2.
Dinkins, H. C., 688—36.
Dion, P., 638—10.
Discombe, John, 24e—18.
Divine, J. F., 26—2.
Dixon, C. K., 339—55.
Dixon, E. G., 587—157.
Dixon, G. W., 615—6.
Dixon, W. H., 150—71.
Dobbins, P., 792d—6, 13.
Dobson, J. A., 645—58.
Dobson, T. H., 587—64.
Dockstader, D. S., 521a—16.
Doddridge, W. B., 793f—5.
Dodge, A. S., 676—10.
Dodge, C. C., 748—9.
Dodge, D. C., 238—2.
Dodge, E. F., 691—7.
Dodge, Grenville, M., 681—1.
Dodge, J. W., 137—5.
Dodge, W. D., 151—79.
Dodson, R. T., 521d—4.
Doherty, M. L., 810—17.
Dohrman, F. A., 151—96.
Doig, A., 151—80.
Dolliver, G. W., 443—50.
Dolloff, L. W., 67—25.
Dominick, M. W., 538—5.
Dominick, W. G., 538—3.
Domville, C. K., 309—42.
Donahue, J. M., 699—1.
Donahue, T., 240—3.
Donald, F. C., 139—8.
Donald, J. W., 24a—5.
Donaldson, A., 521—3.
Donaldson, A. L, 198—20.
Donaldson, J. L., 523—5.
Donaldson, J. P., 338—2
Donaldson, M., 101—9, 12.
Donaldson, R. A., 734a—1z.
Doncaster, Wm., 49e—14.
Donelon, J. F., 182—12.
Donley, M. V., 571—18.
Donnatin, C. E., 734a—63.
Donnelly, J., 404a—9.
Donnelly, M. E, 87—15.
Donoghue, J. F., 206—17.
Donohue, J., 449—8.
Donohue, J., 245—6.
Donohue, M. T., 49b—11.
Donough, D. R., 346—6.
Donovan, B., 119—17.
Donovan, Wm., 420—1.
Doogan, Chas., 140—12.
Dooley, Jas. H., 645—3.
Dooley, M. H., 820—16.
Dooling, W. L., 415—24.
Doolittle, Oscar, 463d—34.
Doom, J. P., 159—10.
Doran, J. E., 65—23.
Doran, J. I., 540—14.
Dorman, C. D., 141a—19.
Dorman, D., 141—37.
Dorrance, O. H., 687a—1.
Doremus, A. F., 793d—14; e—6.
Dorr, Jonathan, 488—1.
Dorsey, E. R., 298—3; 299—5.
Dorsey, M., 232—22.
Dort, G. D., 137—11.
Dorwart, S. S., 89—4.
Dorwin, F. D., 339—72.
Dotterer, D. H., 29—19.
Doty, F. R., 339—56.
Doty, S. C., 151a, b—14.
Doty, W. H., 138—14.
Dougan, H. V., 692a—4.
Dougherty, John, 86—5.
Douglas, A., 688—11.
Douglas, H. T., 37—21.
Douglas, T., 792e—6.
Douglass, A. H., 771—23.
Douglass, B. S., 589b—10.
Douglass, Phil., 734a—46.
Douglass, Wm., 83—3.
Dowman, R. S., 150—19.
Doutt, H. W., 120—20.
Dow, Francis, 205—15.
Dow, I. W., 122b—5.
Dow, R. K., 439—1.
Dowd, R. N., 322—9.
Dowd, Wm., 417—1.
Dowe, G. W., 84—4.
Dowell, J. T., 734 C—c—18.
Dowland, H. H., 463h—2.
Downer, W. W., 756—4.
Downey, Wm., 151—79.
Downing, M. A., 677—3; 680—1.
Downing, R. W., 587—172.
Downs, L. G., 666—8.
Downs, P. T., 416—38.
Downs, R. F., 589c—15.
Dows, David, 153—2.
Doyle, C. E, 393—31.
Doyle, F., 688—24.
Doyle, John, 248—15.
Doyle, John, 463b—44.
Doyle, John H., 779—4.
Doyle, L., 509—8.
Doyle P., 808—13.
Doyle, P. C., 404a—18.
Doyle, Pierce, 463d—23.
Doyle, Wm. L., 86—10.
Drake, C. D., 676—6.
Drake, C. W., 238—4.
Drake, F., 102a—16.
Drake, F. B., 377—6; 463a—8: 682—5.
Drake, F. E., 298—6.
Drake, F. M., 349—1.
Drake, J. H., 645—10.
Drake, J. M., 571—12.
Drake, J. S., 509—5.
Drake, L. E., 463—42; 771—35.
Draper, Geo., 448—1.
Draper, H. C., 138—31.
Dravenstadt, A. L., 50—15.
Dresser, E., 461—5.
Drew, C. F., 153—25.
Drew, J. L., 153—23.
Drew, J. W., 563—22.
Drew, P. W., 143—11.
Drezmal, A., 151c—20.
Driggs, Geo., 734a—47.
Driggs, Sherman, 684—7.
Driggs, W. W., 684—4.
Drill, J. M., 521—14.
Drinkwater, Chas., 103—3.
Driscoll, John L., 114—6.
Driscoll, T., 138—34.
Drummond, J. H., 421—4.
Drury, E. G., 150—95.
Drysdale, A., 138—44.
Duane, D. J., 416—16.
Du Barry, J. N., 587—7.
Dubois, J. D., 833—1.
Duddleson, T. J., 238—18.
Dudley, C. B., 587—80.
Dudley, C. E., 150—18.
Dudley, E. L., 116—1.
Dudley, Geo. E., 279a—2.
Dudley, N. S., 175—6.
Dudley, P. L., 170—3.
Dudley, W. F., 150—19.
Duffy, James, 804—7.
Dugan, Geo. M., 339—54.
Duggan, J. H., 141—61.
Duke, C. B., 762—4.
Dulles, Wm., Jr., 417—4.
Dumbaugh, H. A., 393—29.
Dumbell, J., 141e—33; 141f—22.
Dumont, T. S., 282—18.
Dun, James, 688—12.
Dunavon, G. H., 359—6.
Dunaway, T. F., 463a—9.
Dunbar, O. P., 834—12.
Duncan, Chas., 734a—52.
Duncan, J. M., 295—1.
Duncan, M. M., 657—1.
Duncan, R. J., 463b—36.
Duncan, T. G, 177—13.
Duncan, W. B., 468—1.
Duncan, W., 557—6.
Dungan, K. H., 587—177.
Dunham, A. S., 417—18.
Dunham, G. C., 395—71.
Dunham, H. B., 182—5.
Dunham, M. B., 815—2.
Dunlap, C., 37—40.
Dunlap, G. W., 123—2.
Dunlap, J. M., 734c—c—7.
Dunlay, J. S., 734 C—a—13; c—c—14; C—f—14.
Dunlevy, A. F., 37—18.
Dunn, B. R., 26—8.
Dunn, E. C., 26—9.
Dunn, F. W., 416b—6; 593—7.
Dunn, F. W., 793b—5.
Dunn, H. W., 587—119.
Dunn, J. F., 792b—12.
Dunn, John, 149—4; 339—4.
Dunn, O. M., 416—44.
Dunn, P. C., 233—43.
Dunn, W., 28—3; 98—8.
Dunn, W. M. S., 516—17.
Dunnavant, W. W., 521a—13.
Dunne, H. W., 589i—5.
Dunton, F. W., 348—5.

Du Pont, B., 416a—4.
Du Pont, H. A., 846—1.
Du Puy, R., 458—7.
Durant, W. W., 2—1.
Durbin, D. S., 342—8.
Durfee, W. M., 637—4.
Durkee, C. E., 2—4.
Dutton, Cal., 688—32.
Dutton, C. F., 450—6.
Duval, H. R., 282—1.
Duval, J. E., 101—11.
Duxbury, C. H., 89—27.
Dwyer, Henry, 86—11.
Dwyer, T., 449—29.
Dye, Geo. W., 153—54.
Dye, J. T., 49c—9.
Dyer, Charles, 24—35.
Dyer, John, 141—23.
Dyer, W. H., 288—7.
Dynes, J. H., 521a—9.

E.

Earl, G. H., 550—6.
Earling, A. J., 150—25.
Earle, John, 309—51.
Easley, G. W., 417—20.
Eastman, A. G., 736—7.
Eastman, C. H., 791—5.
Eastman, C. R., 2—5.
Eastman, E. P., 265—3.
Eastman, H. O., 49f—6.
Eastman, Milo, 246—5.
Eastman, O. L., 747—6.
Eastwood, S. S., 492—3.
Eaton, N. S., 295—2; 335—1; 336—1.
Eaton, T. H., 448—6.
Eaton, P. A., 203—11.
Eaton, W. S., 421—6.
Eberle, J. N., 468—27.
Echols, John, 516—4; 516—29; 516—35.
Eck, J. S., 792e—3.
Eckbert, G. A., 74—3; 75—3.
Eckenberger, H. C., 151—96; 151c—22.
Ecker, Louis P., 644—10.
Eckerson, C. W., 141—62.
Edams, J. B., 339—57.
Eden, A. F., 424—5.
Eddy, Charles G., 540—2.
Eddy, H. W., 65—21.
Eddy, T. W., 17—[illegible]
Edgar, S. H., 416—8.
Edgar, Wm., 309—12.
Edmunds, J. H., 107—5.
Edson, Thos., 443—28.
Edward, T. K., 339—35.
Edward, J. T., 419—17.
Edwards, D., 280—6.
Edwards, E. B., 519—5.
Edwards, E. P., 151—79.
Edwards, Geo. W., 79—9.
Edwards, J. M., 419—2.
Edwards, Wm., 37—44.
Egbert, A. A., 771—9.
Egan, A. H., 792d—6.
Egan, John, 168—4.
Egan, John M., 692—8.
Egan, M. J., 15—2.
Egan, Thomas, 715—13.
Eggleston, J., 495—10.
Eggleston, T. C., 644—9.
Eichelberger, A. W., 517—46.
Eichorn, J., 49e—8.
Eickes, C. H., 813—3.
Eland, S., 792c—15.
Elder, J. A., 268—1.
Elder, J. F., 587—32.
Elder, Jos., 655—6.
Elder, J. R., 513—1.
Eldridge, F., 151—77.
Elgin, R. M., 335—19; 336—19.
Elkins, J. K., 463a—29.
Elkins, S. B., 606—1.
Elkins, S. B., 831—2.
Elkins, W. L., 589e—1.
Ellington, A. H., 339—55.
Elliot, W. G., 539—4.
Elliott, Dan., 24—37.
Elliott, D. S., 49f—9.
Elliott, H. P., 150—83.
Elliott, N. K., 803—17.
Elliott, R. H., 21—4; 371—5.
Elliott Russell, 24e—9.
Elliott, T. W., 309—66.
Elliott, W., 151—80.
Elliott, W. G., 27—3; 436—2.
Elliott, W. W., 179—7.
Ellis, C., Jr., 646—4.
Ellis, C. H., 246—7.
Ellis, John, 421—18.
Ellis, J. A., 742—9.
Ellis, J. J., 151c—32.
Ellis, J. W., 637—7.
Ellis, L. J., 257—12.
Ellis, L. P., 647—7.
Ellis, M., 151c—31.
Ellis, R. S., 645d—5.
Ellis, W. F., 637—8.
Ellison, N. B., 652—3.
Ellmaker, F., 587—116.
Ells, J. H., 337—3.
Elsom, Wm., 115—5.
Elsworth, E., 523—3.
Elwell, E. F., 150—40.
Ely, Geo. W., 734C—14.
Ely, H. D., 587—36.
Ely, H. B., 587—191.
Ely, H. S., 361—4.
Ely, Theo. N., 587—27.
Emerson, L., 165—2.
Emerson, L. A., 463—24, 31; 463i—7; 771—35.
Emerson, R. H., 463c—9.
Emerson, T. M., 26—4; 297—3.
Emery, I. S., 87—7.
Emery, W. C., 516—31.
Emmons, A. S., 516—27.
Emmons, B., 151—18.
Emmons, J. Frank, 744—1.
Enders, J. G., 493—9.
English, C. L., 507—2.
English, M., 468—28.
English, V. O., 141a—44.
Ennis, J. E., 463—40.
Ennis, W. C., 533—9.
Ensley, E., 630—1.
Epperson, B. C., 416—41.
Erb, Newman, 375—3.
Erbelding, J., 80—7; 709—5.
Erby, Wm., 150—90.
Erhardt, J. B., 519—1.
Erickson, C., 614—21.
Erickson, Wm., 141—40.
Ermlich, G. J., 367—6.
Ernst, C. J., 141a—93.
Erringer, J. R., Jr., 587—166.
Erwin, W., 384—10.
Essex, Thos., 463d—5.
Eubanks, Thos., 463b—29.
Eustis, P. S., 141a—14.
Evans, A., 165—6.
Evans, Charles, 656—5.
Evans, Clement A., 30—1.
Evans, E., 177—15.
Evans, E. T., 207—2.
Evans, G. E., 416—25.
Evans, Geo. F., 415—2, 18.
Evans, H. K., 657—2.
Evans, H. L., 363—6.
Evans, T. G., 550—61.
Evans, John, 242—1.
Evans, J. D., 117—5.
Evans, J. G., 597—8.
Evans, P. R., 646h—5.
Evans, R., 614—14.
Evans, R. J., 150—89; 295—3, 7.
Evans, W. C., 571—27.
Everest, J. G., 150—96.
Everest & Waggener, 463—29.
Everett, E. E., 640—27.
Everett, F. B., 198—8.
Everett, S. T., 801—3.
Everitt, John, 151—41.
Evenson, F., 524—15.
Ewan, J. O., 49d—6.
Ewing, J. F., 49b—7.
Ewing, Thos., 27—2.
Ewing, W. D., 274—3.
Eyler, J. M., 268—5.
Eyman, F. P., 151—97.

F.

Faas, Otto, 24a—32.
Fagan, John, 24—34.
Fagan, W. W., 370—2; 463c—5.
Fahey, J. B., 416b—5.
Fahey, Patrick, 73—5.
Falls, M. H., 587—41.
Fair, James G., 741—1.
Fairbairn, L., 150—85.
Fairbank, C. R., 150—96.
Fairbanks, C. W., 227—9; 228—7; 348—18; 348a—13; 767—1.
Fairbanks, J. H., 673—3.
Fairbanks, M. F., 285—3.
Fairbanks, Wm. P., 396—3.
Fairchild, Charles, 493—1.
Fairchild, S. S., 46—7.
Fairman, F., 339—10.
Faker, F. A., 403b—22.
Falconar, James, 117—6.
Falkenbach, H. J., 198—6.
Falkner, W. C., 718—1.
Fallon, E. J., 592—4.
Fallon, Geo. W., 561—10.
Fallon, J. J., 792—53.
Fallon, M., 463a—11.
Fanning, R., 792e—6.
Fanning, G. S., 618b—12.
Fanshawe, J. R., 404a—4; 404b—4; 404c—5.
Faries, F. L., 53—5.
Farley, J. P., 688—11.
Farlin, D., 232—[illegible]6.
Farmer, L. P., 521—15.
Farnsworth, A. B., 153—29.
Farnsworth, E. M., 366—1.
Farnsworth, E. N., Jr., 366—2.
Farnum, Henry, 24a—7.
Farou, H. A., 634—3.
Farquhar, J., 41—7.
Farquhar, John, 638—8.
Farra, J. C., 37a—3.
Farrasey, M. H., 801—8.
Farrell, J. J., 758—4.
Farrell, J. J., 814—5.
Farrington, G. E., 803—3.
Farrington, R. I., 96—6.
Farrington, W., 521—16.
Farris, J. L., 416b—7.
Fast, J. L., 271—5.
Faulkner, A., 335, 336—10.
Faulkner, W. C., 315—2.
Fay, Eugene F., 133—4.
Fayerweather, E. E., 141—22.
Fearon, J., 227—10.
Feathers, Jno., 416a—6.
Fee, C. S., 550—52.
Fegan, C. P., 810—28.
Feldpauche, A., 589b—6; 589c—16; 589h—5.
Fell, A., 283—16.
Fell, A. G., 734a—24.
Fellows, C. J., 49a—10.
Fellows, J. A., 86—7.
Felton, Geo. P., 523—1.
Felton, S. M., Jr., 521—2; 521b—2.
Fendall, B. F. F., 37—43.
Fennell, Martin, 725—[illegible]
Fenno, John A., 71—2.
Fenstermaker, T., 113—5.
Fenton, H. E., 362—3.
Fenton, S. F., 793e—5.
Fentress, Jas., 339—8.
Fenwick, A., 310—8.
Ferguson, E., 850—13.
Ferguson, G. A., 67—22.
Ferguson, John I., 346—7.
Ferguson, W. A., 37Cb—7.
Fernstrom, H., 458—13; 458a—9.
Ferris, Frank, 463—43; 771—35.
Ferris, J. M., 780—4.
Ferry, J. J., 850—31.
Ferry, W. J., 368—3; 375—4.
Fetter, O. G., 49b—[illegible]; 49c—12.
Fetterman, C. S., 410—2.
Field, C. C., 476—6.
Field, W. A., 385—6.
Field, W. K., 707—14.
Fielder, G. W., 463b—41.
Fielder, J. W., 299—17.
Fielding, Thos., 463a—17.
Fields, B. F., 50—14.
Filcer, J. H., 49e—31, 40.
Filkins, Chas. W., 151a, b—21.
Filley, Sam. R., 750—1.
Fillman, H. J., 587—167.
Fillmore, J. A., 734a—1.
Fillmore, J. M., 569a—4.
Fillmore, L., 741—5.
Fink, Hy., 257—3.
Fink, R., 439—4.
Finlay, Leonard, 331—5.
Finley, W., 709—4.
Finley, W., 80—6.
Finley, W. W., 771—15.
Finn, E., 736—15.
Finney, C. E., 49b—27.
Finney, F. N., 850—5.
Finney, N. J., 850—20.
Firistone, C. D., 197—4.
Firth, F. J., 207—1.
Firth, W. H., 141a—43; 141e—14.
Fish, E. G., 141a—43; 141e—41; 141f—29.
Fish, H. B., 403—5.
Fish, J. R., 588a—16.
Fish, Stuyvesant, 149—2; 339—2.
Fish, Thomas M., 248—5.
Fisnback, Ed., 692—34.
Fisher, Chas. A., 106—8.
Fisher, E., 716—10.
Fisher, E. A., 86—15.
Fisher, Geo. J., 68—10.
Fisher, G. P., 463a—16.
Fisher, H. A., 679—4.
Fisher, H. J., 571—20.
Fisher, J. B., 676—14.
Fisher, J. E., 734C—a—7; b—12.
Fisher, Jacob E., 333—2.
Fisher, Thos F., 463—47.
Fisher, W. H., 691—1.
Fisher, W. W., 603—1.
Fitch, C. R., 412—11.
Fitch, F. E., 589a—37.
Fitch, G. R., 550—70.
Fitch, H., 780—8.
Fitch, W. C., 734a—42.

Fitch, W. F., 151*a*, *b*—6.
Fitzgerald, J., 237—37; 416*c*—7.
Fitzgerald, M., 206—18.
Fitzgerald, T., 715—11.
Fitzgerald, T., 734*a*—26.
Fitzgerald, Thomas, 37—39.
Fitzgerald, Wm., 588*a*—13.
Fitzgerald, W. F., 741—6.
Fitzpatrick, M., 792*e*—6.
Fitzpatrick, M. T., 463*c*—7.
Fitzpatrick, T. H., 463*b*—11.
Fitzpatrick, W. H., 339—55.
Fitzsimmons, J. R., 14—2.
Fitzsimmons, T. G., 14—1.
Fitzsimmons, W., Jr., 14—5.
Flagg, J. B., 150—96.
Flahavhen, W. M., 37*c*—15.
Flanders, D. J., 68—5.
Flanders, J. B., 463*a*—9.
Flanders, P., 203—15.
Flannelly, W., 810—23.
Fleck, A. W., 101—3.
Fleetwood, P., 27—6.
Fleetwood, S. C., 525—18.
Fleming, C. A., 672—11.
Fleming, H. G., 463*b*—34; 463*e*—6; 463*f*—4.
Fleming, Jas., 856—6.
Fleming, Jno., 526—11.
Fleming, R. E., 561—5.
Fleming, M. K., 24*c*—9.
Fleming, R. G., 618*c*—6.
Flesher, Thomas, Jr., 395—52.
Fletcher, A. W., 106—9.
Fletcher, E., 349—3.
Fletcher, Geo., 498—4.
Fletcher, H. E., 454—4.
Fletcher, J. J., 96—4.
Flewellen, E. A., 119*a*—4.
Flickwir, D. W., 715—5.
Flinton, John, 307—9.
Flippen, T. D. 257*a*—6.
Floeter, S. B., 249—8.
Flournoy, R. T., 151*c*—19.
Flower, A. R., 244—2.
Flower, J. D., 384—2.
Floyd, E. E., 356—1.
Floyd, J. G., 141*a*—7.
Flynn, Jno. T., 45—3.
Flynn, Luke, 151—79.
Flynn, P. J., 24*a*—34.
Foat, F. W., 143—25.
Fobare, A., 67—26.
Fogarty, F. H., 80—94.
Fogarty, John, 46—9.
Fogg, W. F. P., 288—4.
Folger, B. W., 384—4.
Folger, P. H., 488—3.
Folsom, A. A., 69—4.
Folsom, H. E., 205—5.
Folsom, John A., 356—2.
Folsom, W. H., 415—7.
Fonda, D. H., 703—4.
Foody, M. P., 772—6.
Foot, C., 283—14.
Foote, A. H., 272—4.
Foote, A. R., 89—29.
Footner, W. J., 550—87.
Forbes, J. M., 140—2.
Forbes, James, 15—4.
Forbes, Murray, 587—51.
Forbes, Winslow, 412—15.
Ford, Albert, 856—5.
Ford, D. K., 550—46.
Ford, E. A., 803—7.
Ford, E. A., 588—64.
Ford, E. K., 463*a*—16.
Ford, E. M., 141—65.
Ford, Henry, 584—3.
Ford, J. S., 370—8; *b*—3; *c*—3; 371—3; 737—4.
Ford, Peter, 767—6.
Ford, R. G., 53—4.
Fording, I. N., 808—9.
Fordyce, S. W., 676—1.
Forester, J. C., 450—8.
Forrest, Geo. F., 834—1.
Forrest, J. P., 89—23.
Forsyth, A., 141—54.
Forsyth, W., 141—26.
Foss, J. R., 571—27.
Foss, J. M., 122*a*—6.
Foss, V. H., 421—17.
Foster, A., 601—2; 603—7; 734*a*—25; 843—3.
Foster, C. H., 138—3.
Foster, E. J., 151—16.
Foster, G. A., 144—2.
Foster, G. R., 463*d*—14.
Foster, J. P., 308—6.
Foster, J. S., 371—7.
Foster, J. T., 463*d*—12.
Foster, Joel, 476—3.
Foster, N. C., 144—1.
Foster, N. H., 734—8.
Foster, W. A., 276—13.
Foster, W. B., 666—9.
Foster, W. P., 580—31.
Fouche, R. T., 659—3.
Foulks, C. M., 24—20; 24*f*—19.
Fouts, L. M., 243—5.
Fowle, I. W., 640*c*—7.
Fowle, J. W., 640*d*—11.
Fowler, F. F., 499—2.
Fowler, I. W., 273—4.
Fowler, R. F., 416*a*—2.
Fowler, R. H., 812—33.
Fowler, T. P., 525—1; 716—1.
Fowlkes, A. M., 60—2.
Fox, C. T., 454—8; 456—6.
Fox, D., 463*b*—24.
Fox, Henry, 508—5.
Fox, John C., 150—86.
Fox, J. M., 569—4.
Fox, J. W., 793*d*—7.
Fox, Stephen, 176—20.
Fox, W. F., 455—16.
Foye, C. H., 624—3.
Foye, G. F., 279—9.
Francis, J., 141*a*—15.
Francisco, E. R., 673—7.
Franklin, A. G., 524—31.
Franklin, H. D., 525—21.
Franklin, W. W., 707—3.
Frary, H. T., 660—18.
Fraser, A. M., 108—4.
Fraser, Robert, 117—3.
Fraser, R. M., 177—6.
Frawley, J. B., 463—39; 771—35.
Frazee, A. B., 589*f*—4.
Frazer, A. J., 557—17.
Frazer, D. M., 102*b*—7.
Frazer, J. M., 119*b*—2; 200—2.
Frazer, O. F., 124—2.
Frazer, T. A., 150—86; 456—13.
Frazier, H., 416*b*—6.
Frazier, Jas. L., 516—42.
Frazier, T. J., 37—48.
Frazier, W. B., 49*e*—41.
Frazier, Wm., 463*b*—46.
Freel, Dennis, 141—39.
Freeland, A. N., 26*g*, *h*—11.
Freeman, E. C., 210—6.
Freeman, J., 415—22, 23.
Freeman, J. L., 395—29.
Freeman, M. L., 463*d*—10.
Freeman, W. C., 210—1.
French, A. G., 339—52.
French, A. W., 395—39.
French, C. A., 122*a*—19.
French, G. W., 416*c*—7.
French, J. E., 175—4.
French, J. H., 563—9.
French, M. L., 130—6.
French, R. E., 734*a*—54.
French, W. C., 130—7.
French, W. W., 743—5.
Frew, James, 116—14.
Frey, J. J., 463*b*—6.
Frey, J., Sr., 49*e*—9.
Frink, G. E., 206—5.
Frint, H., 734*C*—*c*—12.
Frisbie, G. N., 445—1.
Frisbie, H. L., 339—42.
Fritchey, E. C., 338—8.
Frobel, B. W., 214—2.
Froemke, F. W., 310—5.
Frost, A. S., 141*e*—19.
Frost, C. L., 287—5.
Frost, W. L., 396—1.
Fry, C. M., 539—1.
Fry, E. J., 429—4.
Fry, H. L., 645—58.
Fry, I. W., 105—4; 678—5.
Fuller, C., 740—5.
Fuller, E. A., 159—8.
Fuller, E. F., 588—62.
Fuller, F. G., 151*a*, *b*—36.
Fuller, H. C., 850—28, 31.
Fuller, H. W., 516—8.
Fuller, J. C., 303—1; 740—1.
Fuller, Jas. N., 314—16.
Fuller, John E., 303—6; 525—21.
Fuller, S. P., 463*d*—51.
Fuller, W., 141*a*—42; 193—11.
Fullerton, E. D., 182—16.
Fulton, James, 746—1.
Fulton, John, 338—4.
Fulton, S. G., 550—51.
Fulton, S. H., 138—41.
Fultz, W. H., 393—28.
Funk, J. M., 216—2.
Funk, J. S., 589—18.
Furber, Jas. T., 68—3.
Furman, N. L., 402—5.
Furnald, F. B., 66—8.
Futvoye, J. B., 122*a*—7; 818—3.

G.

Gabbett, Cecil, 174—4; 824—3.
Gabel, T. R., 29—4.
Gaddis, A. A., 82—2.
Gaddis, J. P., 393—11.
Gadsen, C. S., 618*b*—5.
Gaffney, J., 463*h*—8.
Gaffney, J. P., 302; 302*a*—5.
Gaffney, Thos., 463*h*—9.
Gage, E. F., 89—22.
Gage, G. F., 338—3.
Gage, Stephen T., 734—5.
Gailag, A. L., 151—80.
Gaillard, J. J., 292—5.
Gaither, C. P., 540—16; 715—9.
Galarneau, F. X., 393—22.
Galbraith, A., 425—9.
Galbraith, J. E., 463—22.
Gale, H., 734*a*—49.
Gall, G. W., Jr., 304—3.
Gallagher, A. A., 463—48; 771—35.
Gallagher, J. H., 257—23.
Gallagher, M., 580—33.
Gallagher, W. B., 603—40.
Gallagher, W. D., 179—3.
Gallaway, R. M., 422—2; 519—3.
Galleher, T. W., 37—70; 37*e*—5.
Galloway, A., 187—7.
Gallup, D. L., 29—6.
Gallup, E., 395—7.
Gallup, H. T., 65—5.
Galusha, N. H., 652—1.
Galvin, J. T., 568—18.
Gannon, F. S., 744—6.
Gard, C. E., 425—8.
Gard, D. H., 198—15.
Gardiner, C. F. D., 517—46.
Gardiner, Geo., 652—5.
Gardiner, H., 49*f*—5.
Gardiner, H. W., 29—5.
Gardiner, J. B., 515—3; 530—5.
Gardiner, S. B., 515—4.
Gardner, A. L., 822—10.
Gardner, C. W., 454—12.
Gardner, G. Clinton, 86—1; 562—1.
Gardner, J. T., 87—6.
Gardner, W. A., 151—43.
Gardner, W. C., 169—4.
Gardner, W. H., 467—2.
Garfield, F. H., 521*a*—13.
Garis, W. F., 330—5.
Garland, H. N., 812—35.
Garland, S. T., 644—50.
Garner, J. H., 646*e*—11; 659—6.
Garner, J. L., 792—47.
Garner, J. T., 339—63.
Garratt, W. H., 463—51.
Garretson, J. G., 587—121.
Garrett, H. D., 587—41.
Garrett, John, 516—16.
Garrett, Robert, 37—1.
Garrison, D. C., 717—6.
Garrison, D. E., 834—2.
Garrison, J. G., 376—5.
Garrison, O. L., 308—2.
Garstang, Wm., 49*e*—29, 38.
Garvey, B. S., 356—5.
Garvey, E. A., 771—16.
Garvey, Jas., 810—24.
Garvin, F. B., 151—99.
Garvin, H. C., 151—97.
Garwood, D. A., 673—8.
Garwood, S., 100—4; 601—5; 843—7.
Garwood, W. D., 688—17.
Gary, A., 77—6.
Gaskell, J., 455—3.
Gaskill, E. A., 362—1.
Gaskill, Jas., 587—126.
Gaskill, V. W., 741—4.
Gassett, L. O., 342—37.
Gatchell, Geo. S., 86—6.
Gates, E. L., 834—15.
Gates, G. W., 646*i*—4.
Gates, I. E., 136—4; 516—2; 516—30; 516—36; 734*C*—*c*—4; *C*—*e*—1; *C*—*f*—3.
Gates, John, 571—14.
Gatzmer, W. H., 589*f*—2.
Gaul, P., 334—11.
Gault, F. M., 812—41.
Gault, John C., 640—1.
Gault, T. B., 792—54.
Gaunt, J. M., 463*b*—12.
Gavett, W. A., 161—8.
Gavigan, E., 521*c*—7.
Gay, F. C., 24*a*—35; 24*b*—5.
Gays, H. W., 256—5; 840—4.
Gaynor, E. F. J., 422—5.
Geagan, Geo. F., 521—23.
Geary, C. T., 416*a*—18.
Geary, J. F., 141*c*—39.
Geary, W. M., 603*b*—3.

Geddes, Jas., 416—39; 492—5.
Geddes, T. K., 52—6; 238—7.
Geer, O. J., 587—153.
Geffeken, E., 618c—19.
Geiger, R. W., 588—54.
Geisel, H., 49e—37.
Geisenhoner, J., 463b—43.
Gemmell, R. B., 24—19.
Gemmill, John B., 746—4.
Genung, C. C., 561—6.
Gentry, T. W., 645—26.
George, A., 150—59.
George, Ben., 115—9.
George, J. H., 633—1.
George, Jno. H, 484—1.
George, John S., 151—81.
George, O. K., 267—7.
Gerber, E., 151a, b—13.
Gerker, Fred., 35—4.
German, C. H. H., 37b—2.
Germer, A., 280—20.
Gerrish, E. W., 94—3.
Gerry, Jno. T., 93—5.
Gervais, Z., 29—29.
Gest, A. P., 587—109.
Getzen-Danner, O. G., 395—18.
Geyler, C. F., 141—40.
Gibbens, F. H., 233—4.
Gibbons, A. J., 803—21.
Gibbs, C. C., 734C—10; C—a—2; C—e—11; C—f—11.
Gibbs, F., 455—25.
Gibbs, Geo., 150—32
Gibney, J. W., 244—12.
Gibson, A., 551—1.
Gibson, D., 495—12.
Gibson, E. H., 313—4.
Gibson, E. T. H., 339—3.
Gibson, Jas., 151—99.
Gibson, Peter McQ, 517—44.
Gibson, T. M., 20A—5.
Gibson, W. B., 143—16.
Giddens, W. L., 650—6.
Giegoldt, Henry, 24—34.
Gifkins, P., 748—7.
Gifford, A. I., 67—22.
Gilbert, C. A., 463e—21.
Gilbert, F. W., 550—29.
Gilbert, W. L., 353—1.
Gilbert, W. R., 245—13.
Gilchrist, C. A., 285—1
Gilchrist, E. M., 141b, c—9.
Gilchrist, J., 548—16.
Gildersleeve, C. F., 384—1.
Gildersleeve, E., 227—2.
Giles, C. F., 416a—14.
Giles, J, 495—11; 561—2.
Gilfillan, James, 63—2.
Gilhooley, M., 416b—6.
Gill, C. E., 588a—6.
Gill, Chas., 734a—56.
Gilleas, M., 339—44.
Gillespie, A. J., 644—15.
Gillespie, R. W., 141—71.
Gillingham, A. J., 587—178.
Gillis, Wm., 463b—16.
Gilluly, J. W., 237—4; 238—6.
Gilman, B., 271—4; 661—1.
Gilman, C. R., 587—41.
Gilman, G. E., 24a—17.
Gilmore, C. N., 244—4.
Gilmor, Wm., 431—1, 4.
Gilmore, W. L., 395—64.
Gilpin, A., 587—26.
Gilson, H. N., 787—6.
Gimperling, J. E., 227—5; 228—3.
Ginn, C. H., 206—13.
Girvan, Alex., 378—2.
Given, W. H., 244—6.
Given, J., 153—38, 45.
Glancy, P., 614—21.
Glasier, A. A., 24—33.
Glasier, L. S., 428—14.
Glascock, J. H., 304—4.
Glass, Jno. C., 8—10.
Gleason, Wm, 773—4.
Glenn, E. T. E., 105—5.
Glenn, P., 571—26.
Glesener, L. C., 330—3.
Gloster, A. W., 371—6.
Glover, J. B., 426—5.
Glover, T. W., 426—8.
Glynn, John, Jr., 640C—3.
Goddard, C., 519—4.
Goddard, J. F., 24—8; 24f—9.
Goddard, L. O., 141d—3.
Godfrey, T. F., 463—39.
Goetel, Dan., 464—1.
Goff, H. C., 288—8.
Goff, J. B., 588—76.
Golden, H., 166—18.
Golden, T. G., 463b—35.
Goldsmith, W., 628—4.
Goll, N. J., 150—66.
Goltra, W. F., 393—13.
Good, J. E., 259—10.
Good, J. L., 463b—27.
Good, R. H., 817—4.
Goodall, C., 569a—1.
Goodall, E., 569a—3.
Goodall, Perkins & Co., 569a—8; 571—9.
Goodell, D. B., 521—50.
Goodell, G. A., 89—6.
Gooding, C. J., 692—40.
Goodman, R. F., 84—3.
Goodman, S., 517—13.
Goodman, T. H., 734a—11.
Goodno, G. W. R., 550—76.
Goodrich, A. C., 557—35.
Goodrich, C. G., 453—5.
Goodrich, C. H., 558—5.
Goodrich, G. A., 355—3.
Goodrich, J. S., 812—21.
Goodson, J. F., 416b—7.
Goodwin, Geo. L., 24—6; 24d—4; 24e—4; 24f—4; 24g—3; 24h—3; 24i—3; 98—4.
Goodwin, G. W., 708b—14.
Goodwin, H S, 404a—6.
Goodwin, H. S., 242—10.
Goodwin, J. W. 439—5.
Goodwin, P. W., 760—6.
Goodyear, C. W., 723—2.
Goodyear, F. H., 723—1.
Gould, H., 517—43.
Gordon, E. C., 347—1.
Gordon, H. D., 589b—10.
Gordon, H. S., 49e—23.
Gordon, J. T., 203—8.
Gordon, W. S., 347—2.
Gorham, A., 66—9.
Gorham, C. D., 518—23.
Gorham, F. A., 588a—10.
Gorman, Geo. J, 215—3.
Gorman, T., 416b—7.
Gorman, W. P., 246—10.
Goss, E. M., 376—8, 16.
Goss, Geo., 238—11.
Gothard, J., 257—13.
Gothlin, O. P., 850—32.
Goudy, W. C., 151—26.
Gould, A., 463—9; 517—44.
Gould, C. L., 187—6.
Gould, Geo. J., 463a—2; 682—1; 771—5.
Gould, H D., 781—3.
Gould, Jay, 20c—1; 422—1; 463a—1; 463b—1; 463d—1; 463e—1; 463g—1; 771—3.
Goundie, W. T., 422—8.
Gowan, O. M., 463b—12.
Gowey, Jno. F., 565—8.
Grace, G. H., 522—7.
Grace, Perry, 150—90.
Gracy, J. H., 122c—10.
Gracey, F. P. & Bro., 416c—7.
Graddy, W. H., 804—1.
Grady, O. E., 767—4.
Graff, D, 640d—3; c—2.
Grafly, D. S., 603—29.
Graham, C., 233—21.
Graham, J. A., 105—12; 238—10.
Graham, J. M., 550—24.
Graham, J. S., 395—48.
Graham, M A., 548—20.
Gramling, G H., 735—13.
Grammer, G. J., 274—4.
Granger, J. A., 810—29.
Granger, J. T., 287—3; 681—3.
Grannis, J. E., 300—2.
Grant, D., 138—32.
Grant, H., 304—6.
Grant, John A., 771—12.
Grant, L. P., 824—1.
Graves, F. P., 668—2.
Graves, G. H., 814—4.
Graves, Henry, 348d—2; 412—4.
Graves, W. H., 151—73.
Graves, W. W., 674—4.
Gray, A. B., 102a—15.
Gray, Caleb, 518—31.
Gray, Carl, 688—34.
Gray, Geo., 550—7, 37.
Gray, J. A., 291—8.
Gray, Julius A., 105—1.
Gray, M. E., 300—3.
Gray, N. A., 141—39.
Gray, Richard, 734a—13.
Gray, S. F., 588—52, 63.
Gray, W. D., 558—6.
Gray, W. E., 138—36.
Graydon, A., 688—10.
Greatsinger, L, 146—11.
Greely, J. C., 825—2.
Green, A., 587—41.
Green, Amos, 641—3.
Green, Ashbel, 517—2; 758—1; 814—1.
Green, Chas. E., 440—2.
Green, C. W., 812—36.
Green, Douglass, 214—1.
Green, E. H., 235—8.
Green, F. M., 373—4.
Green, J. B., 463d—11.
Green, J. D., 587—182.
Green, J. H., 792—53.
Green, J. P., 587—9.
Green, J. W., 119c—4; 299—2.
Green, O. H. P., 505—1.
Green, P. K., 756—3.
Green, R. M., 93—4.
Green, Wm., 176—11, 21.
Green, W. H., 644—38.
Greene, E. A., 857—4.
Greene, F., 550—26.
Greene, F. W., 812—40.
Greene, G., 115—4.
Greene, Geo. C., 395—17.
Greene, Geo. L., 69—7.
Greene, J. N., 307—4.
Greene, O. C., 550—16.
Greene, W. E., 122b—9.
Greene, Wm., 115—1.
Greene, W. L., 792—51.
Greene, W. M., 198—9, 2.
Greene, W. S., 300—4.
Greenland, T., 393—24.
Greenleaf, C. H., 633—2, 3.
Greenleaf, E. S., 359—4.
Greenough, H. P., 655—7.
Greenwood, A. W., 254—5.
Greer, L., 550—25.
Greer, O. J., 587—96.
Greer, Saml, 332—8.
Greevy, M. J., 792—54.
Gregg, G., 138—25.
Gregg, Geo., 734a—60.
Gregg, J. W., 52—9.
Gregg, R. D., 349—7.
Gregory, A. K., 856—3.
Gregory, A. M., 810—13.
Gregory, G. F., 551—3.
Gregory, W. C., 734C—14.
Gregory, W. H., 150—90.
Greusel, E. S., 141a—35.
Greves, L. S., 517a—15.
Grey, C. B., 640—11.
Grier, Thos. J., 62—2.
Grierson, W., 848—9.
Grieves, E. W., 37—23.
Griffin, A. L., 392—1.
Griffin, C., 463d—15.
Griffin, E. P., 337—8.
Griffin, Jas., 734a—27.
Griffin, Jere., 319—6.
Griffin, J., 348—25.
Griffin, J. H., 143—31.
Griffin, J. J., 257—11.
Griffin, J. L., 771—25.
Griffin, P., 810—21.
Griffin, T. D., 625—7.
Griffin, Wm., 339—57.
Griffith, G., 150—87.
Griffith, J. W., 792—13.
Griffith, S., 233—20.
Griffith, T. B., 233—40.
Griffith, W. H., 172—3.
Griffiths, J. E., 443—19.
Griffitts, J. A., 24—37.
Griggs, A., 637—9.
Griggs, A., 640a—4.
Griggs, F. H., 355—1.
Griggs, G. K., 225—2.
Griggs, J., 707—8.
Griggs, J. M., 65—7.
Griggs, P. Y., 140—13.
Griggs, W. H., 524—28.
Grimes, C. C., 571—21.
Griscom, Geo. S., 611—2.
Griswold, B. H., 822—3.
Griswold, Ira P., 792—53.
Griswold, J. P., 24f—2.
Griswold, J., 176—18.
Groat, P. B., 550—83.
Groesbeck, John A., 97—1.
Grogan, John, 734C—f—16.
Groff, R. H., 587—13.
Gross, G. W., 618b—13.
Gross, H. A., 151—99.
Grote, A., 232—25.
Grout, W. H., 186—6.
Grove, D. E., 771—33.
Grovenor, A. H., 791—3.
Grover, B. W., 242—6.
Groves, J. R., 237—35.
Grower, A. A., 672—14.
Gruelle, N. R., 722—5.
Gucker, Thos., 587—54.
Gude, L. W., 630—5.
Guerin, W. H., 151—90.
Guerin, W. S., 197—5.
Guess, H. P., 708—8.
Guest, T., 238—9.
Gugel, D. M., 119—22.
Guinn, T. J., 237—30.
Gulick, W. B., 576—2.
Gunn, C. L., 161—5.
Gunn, J. D., 240—5.
Gunn, J. O. B., 800—3.
Gunn, W. A., 381—5.
Gunning, Robert, 521—54.
Gunnip, Geo. T., 24a—12.
Gunnsell, R. B., 24f—22.
Gunzelman, W. H., 166—26.

Gustin, A., 463a—16.
Gustin, J. F., 141—39.
Guthrie, A., 692—27.
Guthrie, E. B., 139—4.
Gutschall, L. D., 321—9.
Guy, A. W., 603—24.

H.

Haas, Sol., 26—3; 645—9; 708a—7; b—5; c—5.
Haberkorn, T. H., 286; 286a—7.
Hackedorn, W. E., 393—14
Hacker, W., 587—185.
Hackett, J., 587—161.
Hackett, J. C., 589d—10; 589e—12.
Hackett, J. H., 169—8.
Hackney, C., 792—58; 793f—9.
Hackney, Geo., 24—26; 24f—12; 29—19.
Hadley, E. W., 150—54.
Hadley, Jno., 104—3.
Hafer, Geo., 170—1.
Hagadorn, J. L., 393—10.
Hagen, Mat. T., 587—161.
Hagenbuch, G., 24a—16.
Hager, W. D., 233—15.
Hagerman, J. J., 193—1.
Haggatt, J. C., 517b—6.
Haggerty, Daniel, 302; 302a—9.
Haggerty, G. A., 500—6
Haggin, Jas. B., 62—3.
Hagguston, Ulrich, 649—7.
Hahn, Ferd., 640a—3; c—2; d—4; e—3.
Hahn, Wallace, 258—4.
Haight, N., 792—53.
Haile, C. V., 512—3.
Hain, F. K., 422—3.
Haines, G. W., 618c—7.
Haines, H., 141—41.
Haines, H. S., 618—4; b—4; c—5; d—7.
Haines, S. W., 614—10.
Halderman, Fred., 73—3.
Halderman, J., 24c—16.
Haley, B. V., 141a—46.
Hall, A., 239—2.
Hall, A. F., 521—29.
Hall, C., 463d—8.
Hall, D. T., 59—2.
Hall, E., 130—10.
Hall, E. A., 421—23.
Hall, Frank L., 35—2; 417—6
Hall, H., 335—4; 336—4.
Hall, H. J., 370—15.
Hall, H. L., 141a—45.
Hall, H. M., 557—11.
Hall, J. E., 304—2.
Hall, J. K. P., 521e—1.
Hall, J. Morton, 37b—4; 37c—5.
Hall, J. M., 416b—5.
Hall, J. M., 834—6.
Hall, J. R., 283—2.
Hall, L. C., 226—3.
Hall, M. H., 46—6.
Hall, W. C., 103—33.
Hall, Wm., 219—6.
Hallack, E. F., 239—1.
Hallenbeck, P., 151—8.
Hallett, Jas., 151c—40.
Hallinan, L., 130—9.
Halloran, J., 463a—12.
Halsey, John, 109—4.
Halsey, W. C., 151a, b—34.
Halstead, D. B.—402—3.
Halstead, W. F., 233—7.
Ham, J. M., 463c—4; 792—8; 793b—7; 793d—12.
Hamblin, W. B., 140—11.
Hamer, R. W., 151—28; 151a, b—16.
Hamill, Alex. 756—5.
Hamill, J. M., 416—36.
Hamill, James, 238—17.
Hamilton, Charles, 468—11; 678—1, 5.
Hamilton, G. A., 151c—5.
Hamilton, H. W., 454—13; 456—11.
Hamilton, J., 624—5.
Hamilton, L. M., 221—5.
Hammersley, H., 518—4.
Hammett, H. M., 426—4.
Hammond, C. A., 71—3.
Hammond, C. D., 232—13; 454—11; 456—10.
Hammond, C. H. H., 217—3.
Hammond, C. P., 645—58.
Hammond, C. W., 463—17.
Hammond, D. S., 210—4
Hammond, H. B., 342—2.
Hammond, H. W., 660—13.
Hammond, H. N., 524—31.
Hammond, J., 217—1.
Hammond, J. S., 521—11.
Hampson, C. M., 812—41.
Hancock, A. G., 417—21.
Hancock, C. G., 100—5; 321—7; 601—7; 603—14; 643—5; 843—6.
Hancock, G. A., 24—27.
Hancock, H., 100—2; 643—3.
Hancock, H. W., 603—22.
Hancock, W., 580—33.
Hancock, W. R., 449—19.
Hand, B. E., 850—10.
Hand, S. T., 708—4.
Hands, Wash., 827—4.
Handy, T. P., 246—6.
Hanes, Jos. H., 107—4.
Hanford, G. J., 517—18.
Hanford, J. M., 734—19.
Hanley, J. A., 458—8.
Hanna, C. L., 792—53.
Hanna, H. T., 615—7.
Hanna, J. R., 598—3.
Hanna, William, 598—4.
Hannaford, E. P., 309—35.
Hannaford, J. M., 550—49.
Hannegan, J. E., 89—7.
Hanney, D., 151—78.
Hanover, H. D., 557—16.
Hansel, C., 810—12.
Hanson, A. H., 339—24.
Hanson, A. S., 65—6.
Hanson, G. A., 666—14.
Hanson, J. A., 677—4.
Happersett, H. E., 568—18.
Harahan, J. T., 416—18; 492—4; 575—8; 593—4
Harbin, O. W., 658—4.
Hardaway, B. H., 9—5.
Hardee, W. P., 618c—8.
Harden, J. S., 822—2.
Harden, R. E., 698—7.
Harding, B. L., 245—3.
Harding, B. R., 708c—9; d—6.
Harding, J. H., 78—3.
Harding, J. M., 587—2.
Harding, R., 463h—6; 463i—3.
Harding, W. H., 463f—1.
Hardt, Anton, 276—9.
Hardwick, J. L., 89—18.
Hardwick, S. H., 715—8.
Hardy, Alexandre, 639—5.
Hardy, A., 248—11.
Hardy, C. W., 793d—8.
Hardy, D., 614—12.
Hardy, G. R., 395—16.
Hardy, Gaston, 735—3.
Hardy, I., 640—12.
Hardy, J. A., 587—60.
Hardy, J. R., 141f—7.
Hardy, W. H., 315—1.
Hargreaves, G., 140—19.
Harkom, J. W., 309—46.
Harlan, Wm. S., 857—2.
Harley, A., 24—37.
Harlin, John, 273—2.
Harlow, E. D., 484—3; 835—4.
Harman, C. E., 298—4.
Harman, Geo. W., 56—2; 57—3.
Harms, H., 422—19.
Harner, Geo. L., 151a, b—23.
Harper, Geo. B., 165—5; 380—3.
Harper, W., 339—50.
Harral, C. F., 141f—28; 141h—16.
Harrar, E. S., 587—168; 589a—15.
Harring, W. W., 779—7.
Harrington, C. F., 622—2.
Harrington, E. A., 202—5.
Harrington, James, 182—8.
Harrington, W. P., 202—1.
Harriott, F., 37—10.
Harris, A. B., 126; 205—1.
Harris, B. F., 182—18.
Harris, C. L., 718—2
Harris, E. C., 151a, b—38.
Harris, E. M., 208—1.
Harris, F. H., 659—5.
Harris, G. A., 524a—9.
Harris, G. B., 140—3.
Harris, G. D., 468—9.
Harris, G. H., 524—24.
Harris, J. G., 792—7.
Harris, J. H., 578—2.
Harris, J. J. W., 576—5.
Harris, J. L., 550—72.
Harris, J. S., 120—2; 402—2.
Harris, Philip S., 691—4.
Harris, Robert, 550—1.
Harris, S. C., 603—54.
Harris, S. K., 37e—3.
Harris, W. H., 463d—21.
Harris, W. K., 846—8.
Harris, W. P., 673—5.
Harrison, F. E., 507—4.
Harrison, Frank, 141—65.
Harrison, G. L., 151—83.
Harrison, G. W., 824—8.
Harrison, G. W., 831—5.
Harrison, H. W., 792c—12
Harrison, Jno. W., 694—1.
Harrison, M. W., 181—4; 832—3.
Harrison, R. H., 333—1.
Harrison, W. H., 37—26.
Hart, A. G., 734a—27.
Hart, Jas. E., 361—6; 524a—10.
Hart, W. P., 792b—15.
Hart, W. T., 415—1, 17.
Hartigan, J., 416b—7.
Hartigan, J. G., 150—42.
Hartley, C. J., 449—27.
Hartley, J., 141e—40.
Hartley, T., 410—4.
Hartman, F., 116—22.
Hartman, Wm. H., 679—7.
Hartshorn, E., 421—25.
Hartshorne, C., 404a—2; 404b—2; 404c—2.
Hartt, J. C., 232—4.
Hartwell, A. V., 138—15.
Hartwell, C. L., 279—7.
Hartwell, J. R., 279—18.
Hartwell, W. S., 151—21; 151a, b—28.
Harvey, A., 337—9.
Harvey, A. C., 792—53.
Harvey, C. C., 640—6.
Harvey, D., 463b—19.
Harvey, E. O., 82—19.
Harwood, C. W., 26—16; 644—51.
Hasbrouck, J. D., 509—4.
Hasbrouck, Levi, 122c—7.
Haselton, G. H., 660—15.
Hashagen, J. D., 616—5.
Haskell, A. C., 646c—1; d—1.
Haskell, C. C., 618d—3.
Haskell, F. W., 644—13.
Haskell, G. B., 421—19.
Haskell, J. C., 646f—4.
Hassler, A. M., 8—16.
Hastings, A. B., 793b—8.
Hastings, F. E., 439—7.
Hastings, H. C., 521a—3.
Hastings, J. R., 140—5.
Hastings, W. M., 237—17.
Hatch, D. B., 857—3.
Hatfield, A. C., 141g—3.
Hatfield, E. T., 482—2.
Hatswell, T. J., 280—16.
Hathaway, G. W., 422—17.
Hathaway, H. A., 417—27.
Hatter, G. W., 339—55.
Haugan, H. G., 150—79.
Haugh, J. C., 640c—6; d—10.
Haupt, S. B., 540—19.
Hawgood, H., 626—6.
Hawkes, R., 637—10.
Hawkes, T. N., 9—3.
Hawkins, A. M., 538—16.
Hawkins, F., 416b—4.
Hawkins, P., 454—3.
Hawkins, S. H., 9—1.
Hawks, C. A., 29—8.
Hawks, John, 131—6.
Hawks, J. D., 443—23.
Hawksworth, D., 141a—26.
Hawley, E., 335—14; 336—14.
Hawley, Jas., 548—18.
Hawley, H. F., 138—30.
Hawley, J. B., 151a, b—15.
Hawley, T., 416b—7.
Hawn, Wm., 257—14.
Haworth, John, 410—1.
Hawson, T. B., 309—7; 309—70.
Hawthorne, J. D., 521—62.
Hay, R., 309—28.
Hay, T., 103—32.
Haycock, S. W., 666—3.
Hayden, H. J., 517—4.
Hayden, J. L., 530—10.
Hayden, Julius, 361—5.
Hayden, J. R., 565—3.
Hayden, J. T., 395—21.
Hayden, P., 37—45.
Haydon, Chas., 416—17.

Hayes, R. S., 463g—3.
Hayes, W. T., 237—27.
Hayford, W. B., 41—1.
Hayne, F. E., 153—19.
Haynes, Delos R., 679—1.
Haynes, L. C., 679—3.
Haynes, O. A., 463—12.
Haynes, S., 86—17.
Haynie, J. W., 808a—7.
Hays, C. M., 812—4.
Hays, T. H., 804—2.
Hayt, S. T., 276—10.
Hayward, A., 557—12.
Hayward, Chas., 151—29.
Hayward, E. S., 151—78.
Hayward, H. S., 587—98; 587e—6.
Hayward, J., 141f—24; 141h—13.
Hazard, J. N., 490—1.
Hazard, R. G., 490—2.
Hazelhurst, R., 419—6.
Hazelton, D., 67—24.
Hazen, Geo., 463a—24.
Hazen, J. S., 337—6.
Hazletine, W. E., 631—3.
Hazlewood, C. S., 463b—32.
Heacock, W. J., 284—1.
Head, F. H., 141d—1.
Headley, L., 688—15.
Heafford, G. H., 150—69.
Heafford, W. W., 150—96.
Heald, C. M., 412b—3; 603—10.
Healey, J. M., 339—56.
Healion, M. C., 116—16.
Healy, R. W., 640—7.
Hearst, Geo., 62—1.
Heartsill, W. W., 429—2.
Heckman, J. B., 151—33.
Heckman, J. H., 404—2.
Hedden, J. H., 274—6.
Hedding, E. S., 390—4.
Heffernan, W. L., 217—6.
Hege, L., 416—22.
Hegeman, B. A., 233—8.
Heglin, J., 168—11; 177—9.
Hellman, Wm., 274b—2.
Helm, R. I., 587—180.
Heinrich, P., 141a—20.
Heintz, O. E., 568—10.
Heintzelman, T. W., 458—14.
Heintzlenam, J. W. 856—10.
Heisler, W. A., 521—55.
Heller, Harry E., 141—65.
Helmer, Philip, 151—53.
Helmick, Burns, 674—3.
Helton, Joseph, 765—3.
Hemicke, A., 463b—25.
Hempfield, W. H., 463a—23.
Hemphill, A. J., 540—5.
Hemphill, S. A., 299—4.
Hemphill, W. J., 792e—14.
Hempstead, C. T., 525—11.
Henderson, C. E., 152—1; 228—2; 348—1; 348a—4.
Henderson, J. A., 282—2; 762—1.
Henderson, J. P., 588—14.
Hendricks, L. C., 735—9.
Hendrix, A. W., 589a—5.
Hendrix, James M., 746—8.
Hendry, F. T., 24a—14.
Hennessey, P. H., 150—90.
Henney, C. M., 587—161.
Henney, J. B., 524—13.
Henney, J., Jr., 322—10; 525—16.
Hennington, L. F., 640a—5.
Henrici, Jacob, 410—3.
Henry, A., 489—1.
Henry, A. C., 102—13.
Henry, A. E., 463d—35.
Henry, C. S., 640—25.
Henry, Jno., 182—17.
Henry, J. L., 773—1.
Henry, R. A., 232—7.
Henry, R. J., 739—2.
Henry, Wm., 49f—13; 315—3.
Henshaw, Josh., 309—64.
Henson, H. B., 463b—4; 463e—5.
Hepburn, A. D., 207—3.
Hequembourg, C. W., 463—13.
Herbage, D., 280—17.
Herbert, R. L., 734C—c—13.
Herbert, W L., 614—16.
Heriot, E. L., 496—1.
Herman, C. G., 822a—3.
Herman, H. M., 214—6.
Herman, W. F., 792—53.
Hermann, E. A., 168—8.
Hernandez, I., 512—1.
Heindell, John P., 78—4.
Herndon, E. T., 135—3.
Herndon, W. R., 376—13.
Herndon, W. S., 376—1, 6.
Herr, E. M., 141—35.
Herrick, W. H., 50—8.
Herriman, Chas., 850—27.
Herriman, F. E., 50—6.
Herrin, J., 463d—6.
Herrin, W. O., 463b—13.
Hesser, A. A., 603—36.
Hewins, E. D., 183—3.
Hewitt, A. S., 521b—1.
Hewitt, E. E., 734a—24.
Hewitt, Jno., 393—32; 812—24.
Hewitt, L. W., 519—11.
Hewitt, P. A., 49a—7.
Hewson, A., 587—4.
Heyman, H., 463e—20.
Hibbard, F. B., 846—4.
Hibbard, G. W., 151—99.
Hibbard, H. W., 803—6.
Hibbard, S. M., 370—7.
Hickey, C., 237—36.
Hickey, J. S., 792e—7.
Hickey, John, 151—80; 449—21.
Hickey, T. 443—50.
Hickman, N., 191—6.
Hicks, F., 49e—11.
Hicks, S. H., 841—3.
Hickson, Joseph. 309—1; 309a—1; 309b—1.
Hiden, Henry, 644—49.
Higbie, F. E., 120—21.
Higginbottom, J., 309—54.
Higgins, I. R., 20A—3.
Higgins, L. C., 395—26.
Higgins, M. J., 850—22.
Higgins, T. J., 49a—18.
Higginson, C. M., 141—24.
Higginson, J. J., 735—2.
High, F. G., 138—50.
Highland, E. F., 141a—46.
Hildebrand, J., 734C—c—14.
Hildebrand, J. D., 24c—12.
Hiles, G., 581—1.
Hill, C. C., 143—32.
Hill, D. S., 393—7.
Hill, E., 403—4.
Hill, E. B., 206—18.
Hill, E. L., 416—26.
Hill, E. P., 334—3; 734C—a—12; e—2; f—2.
Hill, Edgar, 49a—4.
Hill, Frank M., 24i—4.
Hill, H. R., 693—9.
Hill, J., 419—18.
Hill, J. B., 422—16; 588—53.
Hill, J. C., 334—9.
Hill, J. H., 26—5.
Hill, J. H., 24c—5; 708c—10.
Hill, James, 645—21.
Hill, J. S. M., 395—33.
Hill, J. J., 692—1; a—1.
Hill, Jos., 803—4.
Hill, Joseph, 255—4.
Hill, Napoleon, 630—2.
Hill, N. S., 37—19.
Hill, R., 589e—10.
Hill, R. H., 335—16; 336—16; 395—19.
Hill, R. T., 611—3.
Hill, Stephen, 263—4.
Hill, Theo., 445—6.
Hill, W., 143—7.
Hill, W., 138—33.
Hill, W. E., 206—8.
Hill, Wm., 138—38
Hill, Wm. S., 726—3.
Hillard, C. W., 146—4.
Hillhouse, John. 834—13.
Hillhouse, W. P., 707—4.
Hilliard, T. F., 86—17.
Hillier, B. 622—11.
Hills, Addison, 395—3.
Hills, F. L., 846—5.
Hills, H. A., 49b—3.
Hills, Jno. W., 48—5.
Hills, L. S., 793d—3.
Hills, S. H., 793d—11.
Hills, W. R. 49b—1.
Hillyer, C, 299—7.
Hillyer, E., 658—1.
Hilton, A. F., 353—6.
Hilton, W. J., 141e—5; 141f—4.
Hinchcliffe, C. W., 793b—1, 4.
Hinchey, F., 517—24.
Hinckley, Jas., 589b—1; 589h—1.
Hinckley, J. L., 811—4.
Hinckley, N. B., 140—8.
Hindel, T. B., 518—30.
Hineline, W. S., 150—92.
Hines, E. D., 707—11.
Hines, R. C., 176—16.
Hines, Thos., 150—90.
Hinkle, O. R., 350—5.
Hinkley, J. H., 395—32.
Hinman, A. A., 151—79.
Hinman, G. W., 416b—5.
Hinsdale, E. B., 412—3.
Hinsey, J. A., 150—82.
Hinton, E. H., 771—35.
Hippey, A. C., 587—128; 589a—10.
Hirsch, C., 833—3.
Hirst, T. C., 792—53.
Hitchcock, A. E., 218—1.
Hitchcock, D. W., 792—19, 34.
Hitchcock, E. A., 308—1.
Hitchcock, E., 206—14.
Hixson, J. R., 150—91.
Hixson, W. B., 455—12.
Hoadley, H. P., 618—2.
Hoag, Wm. M., 570—2.
Hobart, A. A., 146—5.
Hobart, C. C., 571—15.
Hobart, C. F., 571—22.
Hobart, G. A., 480—1.
Hobart, J. W., 122—1; 122c—1.
Hobart, T. M., 52—5.
Hobbs, C. M., 237—16.
Hobbs, C. X., 506—2.
Hobbs, Geo. S., 428—10.
Hobbs, W. C., 168—6.
Hobbs, Wm. J., 68—9.
Hobson, Alex., 77—7.
Hobson, Jos., 309—35.
Hockett, E., 24—34.
Hofecker, P., 404a—14.
Hoff, J. R., 463a—21.
Hoffecker, W. L., 24—34.
Hoffman, F., 207—8.
Hoffmann, C., 286; 286a—6.
Hoffmann, T. H., 248—6.
Hofstra, W. S., 826—3.
Hogan, John K., 640—21.
Hogate, F. F., 107—1.
Hoge, Thos. C., 722—1.
Hogg, T. E., 570—1.
Hogue, C. C., 570—6.
Hohans, C. W., 141a—46.
Hohl, G. M., 141e—31; 141f—26; 141h—17.
Holbrook, E., 614—6.
Holbrook, Elliot, 524—16.
Holbrook, E A., 153—10.
Holbrook, Fred., 792e—4.
Holbrook, F. W. D, 550—27.
Holcomb, C. F., 141d—7.
Holcomb, W. H., 140—4.
Holden, E. R., 233—3.
Holden, R. A., Jr., 165—4.
Holdrege, G. W., 141a—8.
Holgate, H., 548—9.
Holihan, T., 594—5.
Holland, Geo., 734a—27.
Holland, R., 688—40.
Holley, J. B., 439—14.
Holley, John J., 349—11.
Holliday, R. L., 587—73.
Hollifield, H. N., 697—4.
Hollins, F. C., 119—3.
Hollinshead, H. B., 309—39.
Hollister, H. H., 89—3.
Hollister, Mr., 717—5.
Holiston, Geo., 723—7.
Holly, J. I., 615—1.
Holm, H. S., 455—27.
Holman, W. L., 587—125.
Holmes, D. E., 521a—11.
Holmes, Everard, 69a—4.
Holmes, G. D., 502, 503—5.
Holmes, H., 416d—10.
Holmes, J., 151a, b—29.
Holmes, J. B., 792—53.
Holmes, L. A., 146—12.
Holmes, R., 144—4.
Holmes, T. L., 463e—8.
Holmes, W. I., 521—25.
Holston, John, 150—86.
Holt, Albert, 65—17.
Holt, C. A., 339—55.
Holt, F. W., 307—8, 6.
Holt, Geo. H., 349—2.
Holt, J. C., 588a—4; 644—28.
Holt, Thomas, 64—4.
Holterhoff, G., Jr., 98—14.
Holton, W. J., 159—11.
Holtz, David, 822—5.
Holtz, J., 455—23.
Holway, J. H., 193—12.
Holwill, W. F., 233—9.
Homan, W. P., 676—7.
Honey, A. A., 550—17.
Honley, T., 489c—6.
Hood, J. M., 646f—4.
Hood, John, 646f—5.
Hood, John M., 822—1.
Hood, R. N., 646f—1.
Hood, W., 734a—8.
Hoos, J. C., 742—7.

Hook, W. S., 359—1; 406—1.
Hooper, Chas., 734a—37.
Hooper, D. E., 417—17.
Hooper, S. K., 237—11.
Hoover, G. W., 855—5.
Hope, H. C., 151c—26.
Hopkins, A. A., 452—3.
Hopkins, A. L., 463a—4; 463b—3; 463d—3; 463e—3; 597—1.
Hopkins, D. H., 48—2.
Hopkins, D. L., 237—38.
Hopkins, E., 48—3.
Hopkins, G. W., 48—1.
Hopkins, Innis, 468—21.
Hopkins, Isaac, 667—6.
Hopkins, James, 743—2.
Hopkins, J. H., 539—2.
Hopkins, J. W., 516—22.
Hopkins, M., 151—56.
Hopkins, M. J., 48—4.
Hopkins, S., 468—17.
Hopkins, T., 734—7; a—10; B—b—6.
Hopkins, W. M., 455—18.
Hopkinson, G. H., 568—2.
Hopkinson, W. F., 589a—38.
Hopson, P. J., 532—2.
Horan, J. M., 150—86.
Horan, J. W., 517—30; 517a—8.
Horan, Edw., 24a—69.
Horn, A. R., 140—7.
Horn, E. T., 151a, b—33.
Horn, Martin, 792a—6.
Hornby, John, 428—4; 428a—3.
Horner, A. L., 20—3.
Horner, B. F., 518—7.
Horner, E. W., 122a—28.
Horning, H. A., 276—5.
Hornor, E. C., 19—4.
Hornor, J. J., 19—2.
Hornor, S. H., 19—3.
Horrie, D., 449—16.
Horsey, J. A., 182—2; 678—2.
Horton, B. S., 734a—37.
Horton, E. M., 339—12.
Horton, Geo., 777—6.
Horton, G. W., 370c—6.
Horton, Isaac, 777—5.
Horton, M., 165—7.
Horton, S. B., 736—17.
Horton, Walter, 777—1.
Horton, Webb, 777—3.
Hosford, J. T., 298—9.
Hostetter, D., 614—2.
Hotaling, C., 789—9.
Hotchkiss, E. D., 516—18.
Houck, Louis, 106—1.
Hough, D. A., 660—24.
Hough, J. S., 42—9.
Hough, P. J., 463e—12.
Houghton, C. E., 57—4.
Houghton, G. B., 395—56.
Houghton, H. H., 395—55.
Houk, W., 779—6.
Houlahan, P. H., 141e—35.
Houle, J., 102b—4.
Houliston, G., 86—15.
House, F. E., 150—90.
House, I. W., 334—2.
Houston, J., 619—5.
Houston, J., 245—10.
Houston, R., 416—29.
Houston, Samuel, 37—44.
Houston, Samuel, 587—43.
Houston, Wm., 736—10.
How, E. W., 337—2; 419—8.
How, Jas. F., 812—5.
Howard, A. E., 137—8.
Howard, B. C., 792a—14.
Howard, Chas., 637—3.
Howard, Chas., 68—21.
Howard, D. B., 812—11.
Howard, G. W., 417—13.
Howard, H. E., 206—6.
Howard, H. M., 119a—10; b—5; 200—7.
Howard, J. E., 248—3; 248a—2.
Howard, J. L., 579b—3.
Howard, J. S., 569—6.
Howard, John, 49b—33; 468—23.
Howard, S. M., 222—8.
Howard, S. W., 28—9.
Howard, T., 232—27.
Howard, T. C. S., 200—5.
Howe, A. A., 305—2.
Howe, J. D., 151c—18.
Howe, M. G., 334—1; 334a—2.
Howe, P., 89—31.
Howe, S. O., 151—4; 151c—4.
Howe, W. B. W., Jr., 618b—7; c—9.
Howell, C. F., 403—3.
Howell, F. D., 587—154.
Howell, J. F., 461—4.
Howell, Lee, 146c—4.
Howell, O. P., 623—3.
Howell, S. S., 186—12.
Howell, Wm., 276—4.
Howland, A. F., 443—24.
Howland, H. S., 357—1.
Howland, L. A., 141—45.
Howland, P., 357—4.
Howland, T. S., 141—4; 141c—5.
Howie, J. T., 449—14.
Howson, N. W., 188—6.
Hoyle, F. J., 257—16.
Hoyt, Alfred M., 136—3; 450—1.
Hoyt, Edward, 141—33.
Hoyt, F. C., 688—37.
Hoyt, W. E., 87—8.
Hoyt, W. E. E., 463—32; 771—35.
Hubbard, N. M., 245—2.
Hubbard, S. B., 361—3.
Hubbard, S. D., 474—3.
Hubbard, T. H., 138—37.
Hubbell, C. H., 785—10.
Hubbell, F. M., 681—3.
Hubbell, W. T., 198—16.
Huckins, J. M., 692—31.
Huddieson, J. H., 579—13.
Hudgins, H. C., 538—7.
Hudson, B. F., 119—21.
Hudson, C. H., 257—7.
Hudson, E. E., 49e—2.
Hudson, F. O., 812—41.
Hudson, T. J., 339—22.
Huey, G. T., 580—32.
Hufsmith, F., 20—6.
Huger, F. K., 257—20.
Huger, Frank, 540—17.
Huggan, W. T., 102b—2.
Hughart, J., 588a—15.
Hughart, J. H. P., 588a—3.
Hughart, W. O., 588a—1.
Hughes, A. S., 237—8.
Hughes, C. C., 151a, b—37.
Hughes, E. H., 309a—13.
Hughes, H. M., 151—51.
Hughes, H. P., 463—49.
Hughes, H. S., Jr., 150—97.
Hughes, J. M., 23—8.
Hughes, M. P., 403—48.
Hughes, W., 618—5.
Hughitt, M., 151—3; 151c—1; 151a, b—1.
Hughitt, M., Jr., 151—19.
Huidekoper, A. C., 434—2.
Hullhan, P., 232—27.
Hull, A. S., 222—9.
Hull, F. B., 395—23
Hull, Jno. H., 151—62.
Hull, L. B., 96—12.
Hume, T., 463e—9.
Humphrey, A. P., 415—4, 20.
Humphrey, B. W., 784—2.
Humphrey, C. A., 463a—23.
Humphrey, Geo. J., 688—28.
Humphrey, W. R., 232—37.
Humphreys, A. W., 745—1; 737—1.
Humphreys, G. W., 37—45.
Humphreys, S., 616—1.
Humphrys, H., 265—2.
Humstone, E. M., 524—29.
Hunnewell, H. H., 370a—1.
Hunt, G. A., 392—3.
Hunt, Geo. H., 734a—50.
Hunt, H. D., 161—21.
Hunt, J. G., 309—16.
Hunt, J. M., 138—54.
Hunt, Sam., 240—6.
Hunt, Seth, 206—2.
Hunt, W. A., 637—11.
Hunter, Dexter, 63—4; 825—1.
Hunter, D. W., 665—2.
Hunter, I. D., 213—5.
Hunter, J. A., 37—42.
Hunter, J. W., 588a—14.
Hunter, P. F., 587—173.
Hunter, W., 540—20.
Huntington, C., 138—11.
Huntington, C. P., 335, 336—13; 516—1; 516—9; 516—34; 734—2; B—b—2; C—a—1; C—f—1.
Huntington, G. M., 644—43.
Huntsman, L. F., 285—6.
Hupp, C. J., 443—12.
Hurd, A. A., 24—31.
Hurd, G. A., 810—10.
Hurd, J., 545—1.
Hurd, R. F., 597—6.
Hurlburt, W. H., 521—38.
Hurlbut, F. B., 360—11.
Hurley, Con., 404c—9.
Hurley, D., 237—36.
Hurley, Geo. L., 244—5.
Hussey, Isaac, 37—45.
Husted, R. W., 563—18.
Hustis, Guy E., 50—7.
Huston, P. P., 416—27.
Hutchings, W., 124—5.
Hutchins, I. G., 198—10.
Hutchins, L., 587—181.
Hutchinson, A. C., 335—3; 336—3; 734—13; C—a—3; b—3; c—1; d—1; e—6; f—6.
Hutchinson, Chas., 357—5.
Hutchinson, J. B., 587—80.
Hutchinson, J. G., 24—37.
Hutchinson, Jno. G., 589g—3.
Hutchinson, W., 67—25; 151—78.
Hutchison, R. A., 237—18.
Hutchison, R. P., 525—21.
Hutchison, S. A., 792—53.
Hyde, M. M., 808—11.
Hyde, Patrick, 699—9.
Hyde, R. E., 809—1.
Hyland, R., 137—10.
Hyman, T. J., 455—9.
Hyndman, T., 138—32.
Hynes, S. B., 24c—2.
Hynes, W. D., 24c—15.

I.

Idler, C., 803—25.
Ihling, J., 584—5.
Ijams, W. H., 37—8; 37a—4; 37b—3; 37f—2; 37h—3; 37i—3; 55—4; 744—3.
Ijams, W. T., 346—3.
Impey, H., Sr., 736—16.
Ingalls, G. F., 524—10.
Ingalls, M. E., 164—1; 168—1.
Ingate, F., 469—3.
Ingersoll, A. M., 150—96.
Ingham, W. A., 254—1.
Ingler, H. M., 37—62.
Inglis, J. S., 29—14.
Inglis, Thos., 463d—27.
Ingram, F., 416b—5.
Ingram, R. H., 561—8.
Inman, A. L., 130—4.
Inman, W. H., 646b—2.
Innis, P., 848—3.
Instan, James, 588—12.
Irish, Ned., 211—3.
Ironmonger, F. M., 645—44.
Irvin, Richard, Jr., 253—2.
Irvine, H. R., 773—5.
Irvine, James, 52—7.
Irving, F. W., 24a—2.
Irving, George, 309—63.
Irving, Wm., 141—30; 141a—24; 141c—10; 141d—9; 141e—30; 141f—14; 141h—9.
Irwin, J. I., 697—6, 7.
Irwin, J. P., 517b—7.
Irwin, P. H., 37—20.
Irwin, S., 463a—20.
Irwin, W., 37—66; 37a—6.
Irwin, W. C., 49f—1, 11.
Isbel, Edward, 143—18.
Isbell, R. H., 760—3.
Isham, Lincoln & Beale, 810—4.
Isham, Randolph, 149—6.
Isham, W. B., 32—1.
Ives, C., 222—6.
Ives, C. D., 89—15.
Ives, C. J., 89—1.
Ives, H. C., 692—7.
Ives, Henry S., 317—1; 451—2.
Ives, Henry S. & Co., 166—3; 451—9.
Ivers, C. H., 688—39.
Ivey, H. C., 119—30.

J.

Jack, A. A., 393—20.
Jackson, A. A., 524—6.
Jackson, E. E., 752—2.
Jackson, F. W., 587—95.
Jackson, F. L., 557—8.
Jackson, Isaac, 832—2.
Jackson, J. P., 210—3.
Jackson, J. W., 812—18.
Jackson, O. H., 557—13.
Jackson, O. W., 618e—14.
Jackson, S. K., 792e—9.
Jackson, Thos., 588—77.
Jackson, T. W., 314—18.
Jackson, W. H., 752—1.
Jackson, W. N., 346—4.
Jackson, W. S., 237—1.
Jacob, E., 809—3.

Jacobs, J., 339—56.
Jacobs, J. C., 339—39.
Jacobs, M., 588b—7.
Jacobs, P. H., 151—79.
Jacobs, W. B., 254—3.
Jacobs, W. F., 339—35.
Jacobus, F., 531—5.
Jaffray, E. G., 692—37.
Jahn, J., 610—3.
James, C. E., 790—1.
James, F. P., 716—7.
James, John G., 395—12.
James, J. W., 419—16.
James, L. P., 299—16.
Jameson, M. C., 540—5.
Jamison, J., 463a—11.
Janes, E. C., 182—4.
Janes, Frank, 588—60.
Jaunes, J. H., 580—3.
Janney, W. J., 24a—26.
Janowitz, D. W., 550—63.
Jaques, H. P., 371—14.
Jarnegan, A. C., 646e—16.
Jarvis, H. E., 141g—4.
Jarvis, J. M., 463b—49.
Jarvis, W. J., 669—5; a—2.
Jaynes, H. S., 151c—65.
Jeffery, W. J., 339—59.
Jeffrey, E. T., 149—5; 339—5.
Jeffrey, W. H., 487—2.
Jenckes, W. W., 448—3.
Jenkins, C. C., 782—7.
Jenkins, L. M., 475—4.
Jenkins, T. L., 618c—13.
Jenkins, W. P., 393—18.
Jenks, C. H., 692—28.
Jenks, E. F., 667—5.
Jenks, E. E., 557—19; 559—7.
Jenney, L. M., 792a—4.
Jennings, F. B., 57—2.
Jennings, S. H., 688—31.
Jennings, W. B., 812—42.
Jennings, W. H., 198—22.
Jepson, R. W., 509—7.
Jerald, O. F., 563—22.
Jerningham, J. P., 538—8.
Jerome, Geo., 309b—17.
Jerome, W. B., 517—19.
Jervis, B. F., 778—6.
Jessop, Z. C., 667—3.
Jessup, W. H., 478—5.
Jewett, A. B., 396—2.
Jewett, F. G., 187—4.
Jewett, S. P., 413—2.
Jewett, W. C., 640a—7; b—4.
Johann, Jacob, 771—11.
Johns, C. T., 801—7.
Johns, L. W., 630—7.
Johnson, A. H., 19—1.
Johnson, A. H. 37—41.
Johnson, A. J., 707—12.
Johnson, A. S., 24—15; 24f—15.
Johnson, A. S., 286; 286a—10.
Johnson, A. W., 518—38.
Johnson, B., 151—17.
Johnson, C. O., 370—20.
Johnson, C. W., 151e—13.
Johnson, C. W., 571—8.
Johnson, D. W., 443—44.
Johnson, Edgar M., 640—3.
Johnson, E. H., 151—25.
Johnson, E. T., 86—8.
Johnson, G. S., 588a—9
Johnson, G. W., 505—3.
Johnson, H. A., 792—43.
Johnson, H. C., 475—6; 614—15.
Johnson, H. W., 81—2.
Johnson, I. D., 138—32.
Johnson, J., 675—7.
Johnson, J. A., 102a—16.
Johnson, J. B., 19—5.
Johnson, J. B., 299—13.
Johnson, J. M., 153—13.
Johnson, J. O., 568—15.
Johnson, J. T., 37c—11.
Johnson, J. V., 458a—2.
Johnson, L. E., 141—48.
Johnson, L. R., 103—48.
Johnson, L. S., 151c—28.
Johnson, M., 151a, b—29.
Johnson, M. W., 105—10.
Johnson, R. A., 126.
Johnson, R. W., 159—6.
Johnson, Seymour, 734a 57.
Johnson, S. C., 676—9.
Johnson, S. R., 640—20.
Johnson, T., 141—42; 141e—37.
Johnson, W., 102a—16.
Johnson, W. F., 96—8.
Johnson, W. G. 449—12.
Johnson, W. M., 458a—6.
Johnson, W. P., 373—9.
Johnson, W. P., 628—6.
Johnson, W. P., 395—36.
Johnston, A. B., 645e—6.
Johnston, H. R., 169—7.
Johnston, J. G., 116—7.
Johnston, J. H., 180—1
Johnston, J. W., 646e—1.
Johnston, Peter, 498—2.
Johnston, S. R., 521—30.
Johnston, T. W., 699—3.
Joline, J. F., 589g—2.
Jolly, J. S., 283—16.
Jones, A., 412—12.
Jones, A. Gordon, 37—9.
Jones, A. W., 60—1.
Jones, A. W., 237—35.
Jones, Chas., 370—19.
Jones, C. B., 24b—7.
Jones, C. G., 557—39.
Jones, C. E., 141—39.
Jones, C. S., 339—53.
Jones, D. C., 150—84.
Jones, D., 601—8; 603—19.
Jones, E. A., 116—9.
Jones, E. W., 202—2.
Jones, F. G., 245—7.
Jones, James E., 1—4.
Jones, Jno. F., 126.
Jones, J. H., 603—26; 789—4.
Jones, J. M., 203—10.
Jones, J. T., 463a—26.
Jones, L. C., 708b—4.
Jones, Morgan, 287—1.
Jones, Norman, 370—21.
Jones, R. B., 789—8.
Jones, R. C., 150—78.
Jones, R. W., 614—11.
Jones, S. B., 416c—7; 416d—8.
Jones, S. B., 792—33.
Jones, T., 113—7.
Jones, T. G., 416—33.
Jones, W. B., 93—6; 417—15.
Jones, W. E., 177—3.
Jones, W. H., 15—3.
Jones, W. R., 26c—5; 26f—5.
Jones, W. S., 176—3.
Jones, W. S., 660—13.
Jones, Z., 640b—13.
Jordan, E. P., 810—35.
Jordan, G. G., 300—1.
Jordan, O. F., 443—10.
Jordan, O. W., 521—33.
Jordan, T., 141—46.
Joslin, A. D., 339—11.
Joslin, G. W., 428—12.
Josselyn, E. A., 319—5.
Jourdan, James, 80—1.
Joy, Charles, 762—2.
Joy, C. E., 662—5.
Joyce, C. R., 636—8.
Joyce, W. H., 587—153.
Judah, H. R., 734B—3.
Judd, Chauncy P., 68—4.
Judd, E. T., 663—3.
Judson, H. D., 141d—5.
Judson, Winslow, 673—1.
Justice, J., 587—176; 589d—11.

K.

Kaercher, F. P., 603—48.
Kalbaugh, I. N., 37—73.
Kaley, Wm., 463c—13.
Kampman, Joseph, 20A—3; 20B—2.
Kane, M. E., 792c—5.
Kane, W. B., 373—6.
Kapp, H. W., 589a—34.
Karcher, Geo., 587—136; 589a—35.
Karshner, John, 167—2.
Kaite, Walter, 517—21; 517a—19; 814—10.
Kaufman, S., 610—2.
Kavanaugh, J., 416a—6.
Keal, D. A., 416a—12.
Kearney, M., 688—22.
Kearns, Jno., 138—34.
Kearsley, Thomas, 267—8.
Keeler, D. B., 702—44.
Keeler, F. D., 280—9.
Keeler, H. B., 24a—36; 24b—4.
Keeler, Sanford, 280—4.
Keen, Chas. H., 323—10.
Keen, R. D., 587—113.
Keen, W. L., 540—21.
Keenan, H. T., 140—24.
Keenan, J., 49f—15; 323—8.
Keep, Albert, 151—1; 151a, b—3.
Keep, W. B., 151—27.
Keepers, W. E., 339—26.
Kegler, F., 232—27.
Keil, J. G., 138—27.
Keim, C. W., 221—2.
Keim, G. de B., 603—4, 45.
Keith, C., 141—63; 141f—29.
Keith, Geo. N., 660—26.
Kelker, John, 237—35.
Keller, C. B., 286; 286a—9.
Keller, Geo. A., 232—21.
Keller, Jno., 377—1.
Keller, L. L., 771—24.
Kelley, D., 808—12.
Kelley, E. J., 393—26.
Kelley, J. B., 150—90.
Kelley, J. H., 275—9.
Kelley, J. M., 640a—6.
Kelley, J. W., 37c—17.
Kelley, M. S., 698—8.
Kelley, Wm., 19—9.
Kelley, W. T., 463b—12.
Kellie, W. M., 150—52.
Kellogg, C., 404c—7.
Kellogg, Giles, 98—9.
Kellogg, J., 703—1.
Kellogg, J. L., 150—84.
Kellogg, N. B., 734a—26.
Kellond, Wm. A., 416—19.
Kellow, R. W., 232—36.
Kelly, C., 557—20.
Kelly, H. C., 425—11.
Kelly, J. E., 26b, c—4.
Kelly, J. J., 238—21.
Kelly, J. M., 380—4.
Kelly, M., 463—11.
Kelly, M. D., 691—30.
Kelly, P. J., 168—14.
Kelly, Wm., 856—9.
Kelly, W. N., 631—4.
Kelsey, C., 138—13.
Kelsey, P. G., 561—1.
Kelso, D., 463b—5.
Kelson, W. H., 103—15.
Kelty, Wm., 274—12.
Kemp, John, 692—7.
Kemp, J. B., 339—48.
Kenah, H. J., 221—4.
Kendall, A. C., 524—7.
Kendall, D., 151—80.
Kendall, F. T., 65—22.
Kendall, J. R., 803—10.
Kendall, W. A., 89—16.
Kendrick, B. F., 67—8.
Kendrick, C. H., 517—28; 517a—9.
Kendrick, G. W., 49b—8.
Kendrick, J. R., 563—5.
Kenison, C. H., 421—11.
Kenly, J. R., 26—6.
Kennan, T. W., 463d—7.
Kennedy, David, 789—2.
Kennedy, Jesse B., 746—7.
Kennedy, J. S., 120—1; 692—3.
Kennedy, S. D., 587—169.
Kennedy, T. B., 222—1; 472—1.
Kenney, H. F., 589b—4; 589c—11.
Kenney, W. J. C., 68—7.
Kent, Elisha, 59—1.
Kent, W. W., 781—4.
Kenyon, W. J. C., 140—10.
Kenyon, Wm., 820—13.
Keppler, R., 66—3.
Kerchner, C. F., 431—6.
Kerens, R. C., 272—1; 676—3.
Kern, J. M., 493—9.
Kerr, A. B., 8—17.
Kerr, H. S., 97—5; 701—5.
Kerr, J. B., 526—10.
Kerr, J. P., 589a—6; 589c—3.
Kerr, Neil C., 640—22.
Kerr, R., 103—41.
Kerr, Thomas, 587—102.
Kerrigan, W., 463—1.
Kershaw, J. D., 139—13.
Kerten, J. J., 771—21.
Kerwin, J. A., 151—79.
Keutgen, Wm., 744—5.
Keyes, D. W., 150—65.
Keyson, A., 428—15.
Kidd, J. I., 187—9.
Kidd, W. H., 640—30.
Kidder, J. F., 498—1.
Kiley, J., 89—31.
Kiley, M. R., 287—10.
Kilkeny, J., 416d—4.
Klikeny, Thomas, 640—24.
Killam, A. E., 265—1; 690—3.
Killam, J. A., 265—5.
Killen, N., 280—21.
Killen, W. E., 793b—6.
Kilner, C. T., 309—62.
Kimball, A., 153—3.
Kimball, C. H., 582—2.
Kimball, C. L., 502, 503—3
Kimball, C. L., 588—70.
Kimball, Chas. E., 388—3.
Kimball, F. J., 540—1.
Kimball, F. W., 150—29.
Kimball, G. A., 395—40.
Kimball, G. C., 146—3.
Kimball, G. H., 518—17.
Kimball, Geo. L., 226—1.
Kimball, Geo. W., 146—10.
Kimball, J. F., 471—2.
Kimball, J. M., 588—38.
Kimball, M. P., 586—1.
Kimball, N. S., 450—11.
Kimball, Otis, 415—8, 12.

Kimball, S. F., 455—6.
Kimball, T. L., 792—29.
Kimberly, M. C., 550—18.
Kindelon, J., 150—90.
Kinder, Thos. J., 393—34.
Kindley, S. K., 854—2.
King, A., 151a, b—29.
King, B. O., 191—2.
King, C., 150—89.
King, D. L., 801—2.
King, F. G., 458—4.
King, F. P., 237—14.
King, G. A., 499—4.
King, Geo., 151c—40.
King, Geo. E., 443—10.
King, H. M., 206—12.
King, James, 725—6.
King, John, 348—13; 348a—11.
King, John, 521—1; 521c—1.
King, J. W., 463—15.
King, J. W., 848—4.
King, L. H., 518—15.
King, M. K., 538—6.
King, Thos M., 37—3; 37b—1; 37c—4; 37e—1; 37h—1. 744—2.
King, W., 12—5.
King, W. B., 413—8.
King, W. H., 177—8.
King, W. R., 675—9.
King, W. W., 141—65.
Kingman, Lewis, 24—21.
Kingsbury, C. E., 811—5.
Kingsbury, F. H., 137—4.
Kingsbury, F. H., 587—151.
Kingsley, C. L., 28—8.
Kingsley, T. H., 416d—15.
Kingwill, J. H., 146—3.
Kinnaird, R. F., 286; 286a—4.
Kinnan, C. B., 550—71.
Kinney, A. C., 130—12.
Kinney, J., 150—90.
Kinsey, J. I., 404a—11.
Kinsley, Edward W., 82—1; 383—1.
Kinsley, E. W., 24i—1.
Kinsman, G. C., 810—11.
Kinter, Geo., 587—67.
Kinzel, Geo. J., 813—4.
Kinzer, G. H., 568—16.
Kirby, John, 395—25.
Kirby, T. B., 395—65.
Kirk, G. W., 242—9.
Kirk, J. L., 37c—10.
Kirk, W. P., 585—5.
Kirkman, M. M., 151—23; 151a, b—4.
Kirkwood, Wm., 463d—28.
Kirtland, A. P., 587—82.
Kiesinger, C. F., 587—71.
Kittle, J. W., 416—13.
Kittridge, G. W., 588—38.
Kittridge, W. E., 150—31.
Klase, T. J., 404a—15.
Klein, J. H., 393—16
Klepper, J. F., 516—43.
Kline, A. M., 588b—8.
Kline, T. D., 119—9.
Kline, Wm., 395—30.
Kline, W. R., 82—8.
Klohs, A., 122c—11.
Klump, J., 49f—10.
Knapp, C. H., 151—15.
Knapp, J. N., 151—97.
Knapp, M. M., 89—48.
Knapp, W. A., 422—14.
Kneeland, L. D., 151—95.
Kneise, F. A., 587—79.
Knight, F. W., 421—20.
Knight, James, 26g, h—7.
Knight, J. C., 635—2.
Knight, J. M., 640—13.
Knight, J. T., 358—2.
Knight, M., 810—14.
Knight, Ray, 257—10.
Knight, S. B., 338—6.
Knight, S. B., 810—16.
Knight, S. H., 138—28.
Knight, W. B., 368—6.
Knight, W. H., 812—42.
Kniskern, W. B., 151—11.
Knott, S. R., 416—5.
Knowland, F., 792—50.
Knowles, D. C., 416—28.
Knowles, Marion, 618—5.
Knox, F. W., 212—1.
Knox, Geo. R., 491—7.
Knox, W. R., 540—24.
Knox, W. E., 764—5.
Koch, E. T., 395—27.
Kochersperger, H., 525—10.
Koehler, R., 568—1.
Koerner, G. A., 341—6.
Kohl, J., 603—3.
Kolbohan, J., 463b—28.
Kolseth, H. J., 67—22.
Koons, M. A., 120—19.
Koons, T. B., 120—14.
Koontz, Geo. W., 493—4.
Korner, C., 232—23.
Korty, L. H., 792—49.
Koecuetes, J. C., 268—4.
Kountz, M., 512—5.
Kountze, Augustus, 66—1.
Krake, H. G., 24a—11.
Kramer, G. W., 237—12.
Kramer, S. B., 166—29.
Krause, Geo. Jr., 49b—28.
Krebs, C. F., 516—38; 734—10.
Kreger, Chris, 652—7.
Krese, J. J., 257—34.
Kreuthoffer, E. E., 49a—9.
Kruttschnitt, J., 734 C—2; C—a—5; b—5; C—5; d—5; e—7; f—7.
Kuhn, H., 647—6.
Kuhns, J. H., 29—30.
Kummer, H., 153—48.
Kunst, A. H., 181—1; 832—4.
Kyle, W. E., 105—6.

L.

La Beaume, E. W., 676—11.
Lacherte, W. C., 141—66.
L. & S. F. Bk., L'td., 543—3.
Lackey, O. C., 322—11; 525—22.
Lackland, R. C., 813—2.
Lackland, E. C., 694—3.
Lacy, Jas., 540—12.
Ladd, Seth, 271—8.
Ladd, W. J., 141—28; 141e—7.
Ladd, W. S., 571—2.
La Follette, C. S., 168—19.
Laing, H. E., 150—96.
Laird, Alex., 37—44; 37—59.
Laird, A. G., 269—6.
Laiser, N. B., 810—19.
Lakey, J. H., 150—63.
Lalande & A. E., 736—8.
Lamb, E., 637—1.
Lamb, W. B., 645—58.
Lambert, Chas. E., 517a—13; 814—8.
Lambie, C. K., 734a—27.
Lambie, W. T., 734a—27.
Lamborn, A. J., 20—4.
Lamborn, C. B., 550—83.
Lamphear, H., 852—1.
Lanphear, G. T., 490—3, 4.
Lanpher, C. W., 526—8.
Lamport, O. W., 176—5.
Lamplugh, Q., 237—31, 35, 39.
Lander, J. S., 463b—26.
Landers, H. M., 618d—14.
Lane, E. B., 463—46.
Lane, C. P., 332a—6.
Landgraf, John, Jr., 780—5.
Lane, E., 792—60
Lane, Geo., 68—17.
Lane, G. M., 792—4.
Lane, J. L., 525—20.
Lane, J. W., 141e—36.
Lang, G. L., 524—26.
Lang, J. H., 141—42.
Lang, John, 276—2; 276c—2.
Lange, H. O., 826—2.
Lange, John, 812—23.
Langdon, A. L., 222—5.
Langdon, C. F., 162—1.
Langdon, James R., 122a—2.
Langford, E. L., 80—2.
Langhorne, M. B., 546—2.
Langley, B. H., 150—84.
Langlois, J. E., 449—26.
Lansing, G. L., 734—8.
Lansing, C. A., 193—4.
Larner, John, 666—5.
Lape, Geo. T., 289—4
Lanius, J. C., 196—6.
Larnard, J. A., 283—6.
Larchar, Ed. S., 295—4.
Larmour, Robt., 309—31.
La Pine, R. D., 310—7.
Larsen, Hans, 6—5.
Lanius, J. C., 37—50.
Larnard, R. F., 494—2.
Lary, Val., 509—1.
Larned, J. M., 521—58.
Latham, C., 691—5.
Latham, F. B., 543—4.
Lathrop, J. L., 141—18; 141c—8; 141d—2.
Latimer, James, 793d—15.
Latta, John R., 26g, h—6.
Latta, W. J., 587—38; 589b—9.
Lattig, J. W., 404—11.
Lauder, J. N., 563—15.
Laven, Jno. G., 443—43.
Lavoix, Chas., 71—6.
Law, A., 353—10.
Law, A. E., 550—19.
Law, C. D., 588—27.
Lawes, T. A., 49e—3.
Lawler, C. M., 151a, b—7.
Lawlor, Frank, 141—59.
Lawrence A., 850—12.
Lawrence, A. B., 238—19.
Lawrence, B. B., 531—2.
Lawrence, C. K., 587—68.
Lawrence, E. C., 692—39.
Lawrence, J. E., 576—1.
Lawrence, J. E., 362—5.
Laws, R. J., 808a—5.
Lawson, Wm. A., 151—63.
Lawson, W. B., 140—16.
Lawyer, J. A.; 660—4.
Layd, J. H., 793d—13.
Layet, Geo., 468—4.
Layman, W. W., 380—7.
Layng, J. D., 49c—1; 517a—3; 814—3.
Lazarus, J. S., 342—5.
Leach, H. L., Jr., 279—15.
Leach, H. N., 90—6.
Leach, H. S., 122c—11.
Leach, S., 239—3.
Leahy, M., 141a—46.
Leaming, J., 231—3.
Lease, H. A., 73—2.
Leavenworth, F. J., 456—3.
Leavitt, C. W., 585—1.
Leavitt, J. F., 500—5.
Leavitt, T. F., 524—22.
Leavitt, T. H., 141a—22.
Leckie, R. G., 219—4.
Ledford, W. T., 645—30.
Ledlie, G. W., 280—8.
Ledyard, H. B., 443—2.
Lee, D., 37—88.
Lee, I., 588—76.
Lee, J. F., 103—36.
Lee, J. M., 618b—3; c—4.
Lee, R. H., 251—4.
Lee, T., 237—86.
Lee, W. F., 153—49.
Leeds, E. W., 822—11.
Leeds, Jos., 24—10; 24—18.
Leeds, Pulaski, 416a—5.
Leeds, W. H., 413—6.
Leedy, Robert, 260—8.
Leeman, W., 666—16.
Leete, J. M., 218—2.
Leete, W. A., 637—2.
Leftwitch, C. S., 49b—6.
Le Grand, M. P., 474—2.
Lehman, A. E., 303—4; 740—3.
Lehman, C. A., 151—79.
Lehman, J., 350—9.
Leib, J., 822a—2.
Leib, J. S., 589a—4, 17; 589c—4.
Leith, J. C., 676—27.
Leitnaker, A. N., 32—3.
Leland, C. P., 395—14.
Leland, E. R., 367—3; 644—5.
Lemay, Victor, 734a—4.
Lenbaum, G., 723—6.
Lennon, J., 669—4.
Lentell, C. B., 65—22.
Lentz, J. S., 404b—8; 404c—10.
Leonard, C. M., 153—41.
Leonard, E. F., 675—3; 781—1.
Leonard, J. W., 103—28.
Leonard, M. B., 516—26.
Leonard, N. A., 206—1.
Leowen, A., 792c—15.
Lescallett, J., 589c—14.
Le Seur, Wm., 536—7.
Lester, W. M., 517b—3.
Letcher, J. D., 558—7.
Leuschen, M., 49e—45.
Levan, J. P., 587—41.
Levey, C. M., 141b, c—6.
Levings, Chas., 139—14.
Lewars, G. H., 389—2.
Lewis, B. T., 154—4.
Lewis, B. W., 135—1.
Lewis, C. V., 463—7.
Lewis, F., 463a—16.
Lewis, Frank S., 53—3.
Lewis, F. T., 66—6.
Lewis, G. L., 37c—14.
Lewis, Geo. W., 237—36.
Lewis, H. A., 338—7.
Lewis, Jno., 308—5.
Lewis, T. T., 135—2.
Lewis, W. H., 744—9.
Lewis, W. H., 233—26.
Lewis, W. H., 518—21.
Lewis, W. H., 417—3.
Lewis, W. J., 274—2; 274a—2.
L'Hommedieu, R. H., 443—36.
L'Huilier, G. D., 349—4.
Licke, A. F., 24i—6.
Lidick, J. W., 151c—39.
Liggett, S. B., 588—6; 588b—3.

Light, A. L., 639—6
Light, Geo., 248—17.
Lightner, Jno., 69—9.
Ligon, L. P., 540—23.
Lihon, H., 810—26.
Lillie, T. W., 82—3; 688—4.
Lincoln, J. S., 67—13.
Lincoln, L. L., 662—4.
Lincoln, W. D., 672—13.
Lincoln, W. S., 812—13.
Lindburg, J. J. E., 734C 1—a—17.
Linden, B., 856—3.
Lindsey, T. S., 395—31.
Lineham, J. S., 785—11
Lingard, W. H., 493—6, 7.
Lininger, W., 587—41.
Linscott, J. A., 421—3, 12.
Linsky, Martin, 132—5.
Linsley, D. C., 90—1; 101—1.
Linsley, E. A., 792b—13.
Linsley, G. L., 90—4.
Linsley, Jas. H., 141—39.
Linsley, W. B., 151—65.
Linthicum, D., 11—3
Linthicum, H. R., 589a—20.
Lippencott, E. W., 831—6.
Lippincott, T. W., 150—64.
Lishawa, Geo. W., 166—8.
Lister, 676—20.
Lister, Robert, 463a—19.
Little, G. W., 524—5.
Little, H. S., 522—1.
Little, J. C., 420—3.
Little, Thos., 548—21.
Littlefield, S., 660—25.
Littlejohn, De Witt C., 31—1
Litz, Wm., 521—53, 57.
Livingston, S., 792b—14.
Livingston, W., 628—5.
Llewelyn, W. H. H., 24b—8
Lloyd, Gardiner, P., 302; 302a—2.
Lloyd, H. A., 812—17.
Lloyd, H. R., 151—81.
Lloyd, J. Y., 309—38.
Lloyd, L. W., 429—3.
Lockard, W. F., 589b—4.
Locke, H. G., 138—42.
Locke, Morris H., 679—2.
Lockie, G. J., 24—37.
Lockwood, C. B., 152—5; 228—8; 348—14; 348a—14.
Lockwood, C. L., 588a—5.
Lockwood, F. St. John, 332a—1.
Lockwood, J. E., 370—4; 371—13.
Lodge, L. K., 589b—18.
Loftus, A. W., 150—90.
Loftus, P. H., 151—79.
Logan, H. C., 463—55; 771—35.
Logan, James A., 587—167.
Logan, P. A., 551—4.
Logan, Thos., 307—4.
Logan, T. M., 645—2; 646a—2.
Logee, W. W., 635—5.
Lomas, G., 463a—16.
Lomax, E. L., 141—13.
Long, J. E., 463d—42.
Long, Jas., 417—10.
Long, Jas., 817—3.
Long, R. S., 463b—21.
Long, W. E., 610—8.
Longley, A. R., Jr., 530—3.
Longley, A. S., 271—7.
Longwell, G. W., 584—2.
Longyear, W. B., 79—5.
Lonney, J., 138—53.
Look, M. A., 588—41.
Loomis, E. R., 322—8.
Loomis, Frank, 517—22.
Loomis, F. B., 227—1.
Loomis, J. C., 416—46.
Loomis, J. H., 603—18.
Loomis, Mason, 506—5.
Loomis, T. H., 792d—4.
Loomis, W. W., 153—44, 50.
Loree, L. F., 588—36.
Lord, C. K., 37—13; 177—7.
Lord, Chas. E., 68—6.
Lord, Chas. V., 40—1.
Lord, F. H., 550—61.
Lord, Geo. C., 68—1.
Lorimer, J. S., 309a—17; 309b—16.
Lorraine, Chas., 516—25.
Loser, Thos., 393—21.
Lott, U., 696—1.
Loucks, A., 463b—18.
Loud, J. W., 309—21.
Love, A. J., 170—4.
Love, O. T., 244—3.
Lovejoy, 656—3.
Lovell, C. G., 150—94.
Lovell, D. H., 587—143.
Loveland, J. B., 521—40.
Loveland, W. A. H., 236—2.
Loveridge, Henry, 302; 302a—1.
Lovering, N. P., Jr., 205—6.
Lovett, Patrick, 463d—41.
Lovette, J. F., 119e—3.
Low, C. Adolphe, 516—10.
Low, C. F., 177—4; 196—7.
Low, F. H., 385—2.
Low, Henry R., 623—1.
Low, R. T., 480—3.
Lowe, Geo. A., 238—3.
Lowe, W. H., 550—57.
Lowenberg, Isaac, 494—3
Lower, Geo., 688—33.
Lowery, J. M., 150—33.
Lowry, C. B., 381—4.
Lowry, C. B., 418—4.
Lowry, Thos., 454—2.
Lowry, W. D., 463b—22.
Lowther, B. F., 37—58.
Loy, Edward P., 262—4.
Lucas, E. G., 122—4.
Lucas, W., Jr., 666—12.
Lucas, W. H., 298—13.
Luce, E. C., 395—11.
Luce, F. M., 151—38.
Luce, M. A., 98—15.
Luckett, E. M., 734a—36.
Ludgate, Hugh, 307—2.
Ludlow, H. B., 734—33.
Ludwig, W. D., 385—7.
Luigo, G. W., 495—13.
Lukenbill, R. S., 282—16.
Lum, D. W., 257—15.
Lum, M. L., 380—5; 516—20.
Lund, H. M., 416a—13.
Lunday, C. H., 463d—52.
Lungren, W. H., 589b—10.
Lupton, Geo. F., 640—31.
Lush, Wm., 672—10.
Lusk, A. G., 521a—24.
Lutrell, J. W., 516—41.
Lutz, R. E., 416c—7.
Lydon, C., 237—30, 39.
Lyford, O. S., 143—5.
Lyle, R. B., 463f—5.
Lyman, J. P., 428a—2.
Lyman, S., 688—25
Lynch, G. G., 265, c—3.
Lynch, John, 826—4.
Lynch, M., 370c—7.
Lynch, P., 348—23.
Lynde, C., 655—1.
Lynde, F. L., 792—58.
Lynn, W. W., 152—2; 228—9; 348—6; 348a—8.
Lynott, J. E., 307—5.
Lyon, Jas., 792e—13.
Lyon, J. B., 350—2.
Lyon, J. H., 463—53.
Lyon, J. W., 587—101.
Lyon, T. R., 391—1.
Lyon, T. T. A., 467—1.
Lyons, E., 150—90.
Lyons, H. D., 428—11.
Lyons, H. H., 138—20.
Lyons, J., 370a—8.
Lyons, M., 370a—7.
Lyons, W. B., 463b—7.

M.

MacArthur, D., 424—2.
Macdiarmid, Hugh, 736—4.
Macdonough, A. R., 521—4; 521b—3; 521c—2; 521e—3.
Macdougall, J. E., 550—56.
Macdowell, W. G., 540—4.
Machen, E. C., 426—2.
Mack, H. D., 141—53; 141—63.
Mack, John, 291—9.
Mackay, A., 443—8.
Mackay, P. S., 453—4.
Macbeth, Jas., 517a—26.
Mackenzie, J., 518—12.
Mackey, C. W., 539—3.
Mackey, D. J., 274—1; 274b—1.
Mackey, Geo. W., 42—3.
Mackie, J. W., 279—27.
Mackinnon, G. S., 736—13.
Mackinnon, T. A., 736—3.
Macklin, J. G., 309—36.
Macmurdo, J. R., 644—7.
Macrae, Geo., 309—18.
Madden, Jerome, 734—23.
Madden, J., 455—25.
Magee, Geo. J., 50—4; 276—1; 276a—1; 276b—2; 276c—1.
Magee, H. L., 812—19.
Magiff, M., 122a—13.
Maglathlin, H., 319—4.
Maglenn, Jas., 708b—9.
Maguire, R. W., 850—15.
Mahan, W. A., 428—13.
Mahanna, H. C., 151—50.
Mahl, Wm., 175—2; 419—7; 516—6; 734C—e—4.
Mahler, E., 267—9.
Mahoney, Daniel, 475—8.
Mahoney, D. L., 850—29.
Mahoney, T., 416b—6.
Mahoney, T. T., 491—13.
Main, John, 309—50; 309a—9; 309b—8.
Malcolm, W. L., 24a—1.
Malin, J. T., 587—761.
Malin, S. O., 589a—25.
Mallard, C., 734C—c—17.
Mallette, J. A., 180—3.
Mallison, S., 792c—2.
Mallory, C. E., 116—27.
Mallory, F. C., 691—17.
Mallory, S. H., 291—1.
Mallot, V. T., 346—2.
Malloy, B., 151—78.
Malloy, Jas., 692—42.
Malone, D., 150—90.
Malone, F. M., 150—91.
Malone, J., 20A—7.
Malone, P. F., 150—92.
Maloney, D., 557—23
Maloney, M. J., 463d—17.
Malov, Jas., 298—15.
Malsby, L. M., 618c—12.
Man, A. H., 531—1; 531a—1.
Man, A. P., Jr., 722—3.
Manahan, A. G., 589f—9.
Manchester, G. O., 24—4.
Manchester, Geo. O., 98—1.
Mancill, M. H., 589b—20.
Mandeville, J. C., 493—11.
Maney, J. D., 491—3.
Manholtz, P. L., 141—39.
Manifold, S. M., 855—4.
Manly, Basil, 28—6.
Mann, A. B., 212—3.
Mann, Alex. V., 486—1.
Mann, E. F., 67—19.
Mann, J. G., 339—23.
Mann, J. J., 519—13.
Mann, J. M., 217—5.
Mann, John, 265—8.
Mann, M. B., 676—19.
Mann, Wm., 108—6.
Manning, A. H., 499—3.
Manning, C. T., 37—71.
Manning, D., 151—78.
Manning, S. W., 24a—4.
Manning, W. T., 37—53.
Mansfield, M. W., 588—46.
Mansill, R., 470—1.
Manvel, A., 692—6; a 2.
Manville, C. R., 232—30.
Manville, R., 232—29.
Marbenson, J., 150—89.
Marble, G. L., 169—3
Marble, J. M. C., 169—1.
Marcy, H. S., 232—14.
Marden, J. W., 279—19.
Mareau, E. D., 302; 302a—6.
Mariner, E., 450a—4.
Mark, N., 49e—34, 43.
Markham, C., 161—20.
Markham, M. C., 339—6.
Markley, A. S., 96—11; 143—13, 19.
Markwood, H., 648—8.
Marley, W. H., 443—46.
Maroney, D. F., 37—25.
Marpole, R., 103—46.
Marque, Joseph N., 76—6.
Marquis, S. M., 505—2.
Marsh, C. P., 853—3.
Marsh, F. A., 153—15.
Marsh, Geo S., 550—54.
Marsh, H. W., 328—3.
Marsh, J. E., 151a, b—18.
Marsh, P. A., 152—7; 348—19.
Marsh, R. S., 463e—13.
Marsh, T. S., 603—53.
Marshall, B. F., 169—16.
Marshall, Chas., 339—64; 416—42.
Marshall, Ed., 24—37.
Marshall, G., 117—7.
Marshall, I. N., 563—10.
Marshall, James, 139—16.
Marshall, J. Q., 199—2.
Marshall, John, 37—45.
Marshall, J. N., 518—21.
Marshall, M. M., 141—63; 141a—43.
Marshall, R. E., 589b—12.

Marshall, R. D., 49c—16.
Marshall, Thos., 701—2.
Marshall, W. H., 150—98.
Marshall, W. H., 522—6.
Marsland, T., 141a—27.
Marston, J. D., 153—20; 455—7.
Martin, Archer N., 86—3.
Martin, C. E., 282—13.
Martin, C. L., 660—10.
Martin, D. B., 49a—3.
Martin, E., 584—4.
Martin, E. J., 339—56.
Martin, E. J., 734B—4.
Martin, Fred., 79—6.
Martin, G. M., 143—30.
Martin, H., 353—9.
Martin, N. H. 569b—13.
Martin, J., 456—2.
Martin, J. B., 708c—7; d—5.
Martin, J. H., 168—20.
Martin, J. J., 607—4.
Martin, M. M., 810—7.
Martin, M. P., 550—41.
Martin, R. P., 323—6.
Martin, R. W., 45—1.
Martin, W. G., 468—24.
Martin, W. H., 759—2.
Martin, W. T., 493—1.
Marvin, R. N., 133—1.
Marvin, T. S., 49f—7.
Maslin, G. W., 431—5.
Mason, A. B., 360—9.
Mason, B. K., 521—21.
Mason, E. R., 245—1.
Mason, Geo. E., 309—57.
Mason, H. D., 8—15
Mason, Henry, 675—12; a—5.
Mason, J. Q., 781—7.
Mason, S. D., 550—36.
Mason, W. A., 842—7.
Mason, W. G., 521—37.
Mass, J. W., 416d—5.
Masson, Geo., 309—37; 309a—15; 309b—14.
Masten, J. H., 443—27.
Masters, W. H., 314—6.
Mathieson, W. A., 537—3.
Matthews, G. A., 471—4.
Matthews, H. M., 141—63.
Matthews, J. C., 334—5.
Matthews, J. E., 822—6.
Matthews, R. A., 29—18.
Matthews, W., 439—3.
Matthews, W. C., 244—7.
Maurer, T. D., 522—5
Maury, R. B., Jr., 419—24.
Maus, G. V., 588—50.
Mauston, M., 150—90.
Maxfield, G. D., 24a—31.
Maxon, J. B., 141—60.
Maxwell, A. M., 21—2.
Maxwell, C. W., 282—10.
Maxwell, D. E., 282—4.
Maxwell, D. S., 666—6.
Maxwell, Hugh M., 211—2.
Maxwell, J. R., 267—2; 412—2, 536—2.
Maxwell, M., 49f—2, 12.
May, A. S., 525—18.
May, Chas., 587—129; 589a—21.
May, Joel, 458—12.
Mayer, C. F., 221—1.
Mayer, John, 692—42.
Mayer, J. A., 692—26.
Mayor, S. D., 183—9.
Mayhew, J., 467—6.
Mayne, W. C., 143—20.
Mayo, S. L., 715—20.
Mays, W. C., 540—23.
McAdam, R. Y., 646b—1.
McAlister, W., 587—102.
McAllaster, B., 792—26.
McAllister, P. G., 629—8.
McAvoy, A., 439—11.
McBeath, J. D., 812—28.
McBee, V. E., 645—39; 646i—1.
McCabe, C., 138—51.
McCabe, D. T., 588—50.
McCabe, James, 151c—41, 42.
McCabe, J. R., 689—23.
McCabe, R. T., 841—1.
McCaddon, Jas., 237—32.
McCague, Geo. E., 395—42.
McCaig, Jas., 550—79.
McCall, J. C., 246—4.
McCall, J. G., 521—9.
McCallam, J. T., 274—11.
McCann, J. G., 587—169.
McCann, J. P., 463—33; 771—35.
McCann, Thos., 302; 302a—8.
McCardell, D. S., 538—76.
McCargo, David, 8—5.
McCarthy, Daniel, 360—12.
McCarthy, Daniel, 463d—49; 521d—5.
McCarthy, D., 549—1.
McCarthy, Thomas, 404b—6.
McCarty, J., 688—40.
McCarty, J. C., 640b—7.
McCarty, O. P., 792—86.
McCausland, A. G., 846—3.
McChesney, W. S., 416c—7.
McClain, B. L., 138—54.
McClary, J. B., 630—6.
McClellan, H. B., 812—25.
McClellan, L. S., 812—27.
McClellan, M., 416b—5.
McClellan, O. E., 587—66.
McClellan, Wm., 102a—15.
McCleskey, L. L., 645—36; g—2.
McClintock & Smith, 177—17.
McClung, W. B., 37—45.
McClure, B. A., 212—5.
McClure, J. A., Jr., 330—6.
McClure, J. E., 150—96.
McClure, M., 330—4.
McClure, R. J., 141—27; 141a—25.
McCollum, C., 50—10.
McCombe, W. B., 428—6.
McConkey, C. R., 855—1.
McConnell, J. A., 455—19.
McConnell, J. H., 792a—9.
McConnell, J. M., 810—35.
McConnell, W. H., 151c—40.
McConnico, S. B., 339—31.
McConnill, J., 141a—12.
McCook, J. J., 644—4.
McCool, D., 672—7.
McCormick, E. O., 417—8.
McCormick, H., 138—32.
McCormick, J. A., 285—4.
McCormick, J., 237—21.
McCormick, J. C., 498—5.
McCormick, W. S., 97—3.
McCoy, D. B., 517a—22.
McCoy, W., 618d—6.
McCrary, Geo. W., 24—29.
McCray, P. E., 716—4.
McCrea, C. W., 464—3.
McCrea, James, 346—1.
McCrea, James, 588—16, 29.
McCreary, R. D., 86—14.
McCredie, W., 141—19.
McCreery, F., 227—11.
McCreery, Wm., 475—1.
McCrery, J., 607—6.
McCrum, J. S., 370—12.
McCullogh, H. R., 151—14.
McCullough, A. D. W., 734a—5.
McCullough, B. W., 463—21; 771—13.
McCullough, J. G., 57—1.
McCullough, J. N., 588—2.
McCully, S., 517—36.
McCune, J. C., 349—12.
McCune, J. M., 197—2.
McCutcheon, J. W., 416b—7.
McDale, E. J., 141—6.
McDaniel, E. B., 174—7; 824—10.
McDoel, W. H., 417—8.
McDonald, A., 734a—27.
McDonald, A. R., 102a—14.
McDonald, Alex., 424—7.
McDonald, E. D., 691—16.
McDonald, H., 491—9.
McDonald, J. D., 620—3.
McDonald, M. A., 96—3.
McDonell, A. A., 17—2.
McDonell, A. O., 282—9.
McDonell, J., 211—5.
McDonough, G. L., 24c—13.
McDonough, H., 771—34.
McDougall, J., 219—1.
McDougall, J. E., 550—74
McDougall, R., 792a—17.
McDowell, L. D., 21—1.
McDowell, R., 587—102, 106
McDuffie, J. A., 82—4.
McElevy, Albert, 588—10.
McElroy, P., 455—15.
McElroy, W. K., 8—14.
McElroy, W. P., 238—14.
McEnery, C., 89—31.
McEntaffer, D., 834—14.
McEntee, J. F., 792b—6.
McFadden, C. J., 49e—47.
McFaddin, C. P., 422—9.
McFadzean, J., 309—33.
McFarland, H., 463c—3; 792—5; 793e—3; f—3.
McFarland, Henry, 672—6.
McFarland, H. F., 676—30.
McFarland, J. D., 141a—28.
McFarland, S. R., 734a—27.
McFarlane, Wm., 150—86; 150—89.
McFee, D. E., 353—.
McGarr, W. L., 50—13.
McGarvey, J., 87—10.
McGaw, Alex., 377—3.
McGee, James, 335, 336—18.
McGee, M. B., 428—9.
McGhee, C. M., 257a—1.
McGehee, J. B., 827—1.
McGehee, J. S., 827—3.
McGibney, W., 416d—9.
McGill, S., 518—33.
McGill, Thomas, 298—5.
McGinnis, G. W., 419—13.
McGinnis, W. H., 174—3.
McGlynn, Peter J., 699—5.
McGovern, P. J., 416c—5.
McGowan, John, 109—3.
McGrain, Thos., 418—3.
McGrath, M., 463—39.
McGrayel, J., 244—10.
McGreevy, D., 337—7.
McGregor, A., 792a—7.
McGregor, Alex., 656—4.
McGregor, M. P., 49e—6.
McGrillis, Mark A., 589f—5; 589g—4.
McGrory, P., 463d—20.
McGuire, John, 86—17; 693—8.
McIlwain, J. D., 309—42.
McIlvarns, M. J., 521a—25.
McInerny, M. N., 463a—13.
McIntosh, C., 236—1.
McIntyre, Duncan, 736—1.
McIntyre, Edward, 119—4; a—3; c—2; d—2.
McIntyre, G. H., 395—70.
McIntyre, H., 244—11.
McIntyre, W. G., 206—4.
McIver, B. T., 691—12.
McIver, J. H., 26b, c—2.
McIver, R. S., 82—6.
McKahan, J. D., 588b—9.
McKay, James, 6—4.
McKay, J. T. R., 395—9.
McKay, T. D., 141—69; 141a—43; 141e—15.
McKee, R. S., 55—3.
McKee, W. E., 618c—11.
McKeen, A. J., 115—2.
McKeen, W. R., 55—1; 803—1.
McKelvey, C. D., 533—5.
McKenna, I., 342—7.
McKenna, J. C., 74—6.
McKenna, R., 233—12.
McKenna, W. B., 339—57.
McKennan, T. M. T., 762—3.
McKenzee, J. C., 174—9; 824—11.
McKenzie, J. F., 853—2.
McKenzie, Wm., 734a—31.
McKeon, P. W., 233—42.
McKim, W. W., 524—12; 524a—5.
McKinlay, C. V., 449—9.
McKinlay, David A., 691—11.
McKinlay, J. M., 150—6.
McKinney, O. H., 373—2.
McKinnon, M., 141a—32.
McKinnon, M. J., 855—8.
McKinnon, N., 782—10.
McKissock, T., 213—1; 341—2
McLane, A. L., 650—5.
McLaren, D., 468—10.
McLaren, James, 117—2.
McLaughlin, H., 463—31.
McLaughlin, R., 669—1; a—1.
McLean, W. J., 810—33.
McLeish, W. J., 274—10.
McLeod, A. A., 267—4; 601—4; 603—9; 843—2
McLeod, A. H., 166—10.
McLeod, A. L., 792c—4.
McLeod, B. S., 782—8.
McLeod, C. C., 850—16.
McLeod, H. D., 500—8.

McLeod, R., 736—12.
McLoughlin, J., 161—22.
McMahon, P., 792c—7.
McMahon, W. N., 557—16.
McManus, H., 521a—19.
McMartin, S. A., 130—13.
McMaster, Chas. J., 57—9.
McMichael, G. C., 458a—4.
McMillan, H. G., 796—1.
McMillan, Hugh, 249—2.
McMillan, J., 249—1.
McMillan, J., 150—90.
McMillan, J. A., 810—32.
McMillan, J. H., 339—56.
McMillan, W. F., 792—42.
McMoran, H., 622—4.
McMullan, Jno., 453—6.
McMullan, S., 739—3.
McMullen, S. A., 232—38.
McMullen, W., 232—35.
McMullen, W. S., 464—3.
McMullin, J. C., 138—2.
McMurrich, W. B., 489a—7.
McMurry, W. B., 415—23.
McNabb, Jas. D., 416a—15.
McNab, John, 284—3.
McNabb, Q., 42f—16.
McNabb, W., 37—65.
McNair, W. P., 463h—7.
McNamara, J., 725—3.
McNaught, J., 550—89.
McNaughton, A. L., 150—11.
McNaughton, F., 691—21.
McNeal, J. V., 342—3.
McNeil, J. E., 339—55.
McNeill, Alex., 717—4.
McNeill, Daniel, 469—1.
McNeill, E., 323—4.
McNicoll, D., 103—26.
McNulta, J., 810—1.
McNutt, H. H., 622—12.
McOmber, Fred, 674—2.
McPhail, W., 518—29.
McPherson, C. C., 151a, b—24.
McPherson, D., 463d—22.
McPherson, J., 102b—5.
McQueen, J. P., 640b—5.
McQueen, Jas., 526—13.
McQueston, J. C., 463c—8.
McQuilkin, I., 404—6.
McSwiney, E. P., 618b—6.
McTavish, J. H., 103—8.
McVay, C. B., 342—6.
McVean, J. J., 248—10.
McWade, D. D., 734a—37.
McWade, F. J., 587—164.
McWilliams, D. W., 422—4.
McWood, W., 309—45.
Mead, A. L., 151—79.
Mead, C. A., 98—13.
Mead, V. B., 288—5.
Mead, W. H., 151—98; 151c—28.
Meade, J. M., 24—22.
Meade, Spencer, 589a—36.
Meadows, R. B., 416b—7.
Means, James, 588—61.
Means, Jas. M., 645—57.
Means, John, 23—1.
Meddaugh, B. C., 309b—12.
Meddaugh, E. W., 309—10; 309a—18.
Medway, Jno., 66—12.
Meehan, James, 640—5.
Meek, C. F., 681—5; 812—42; 812—20.
Meek, Robt., 136—5.
Meek, T. D., 425—10.
Meeker, H. R., 240—7.
Meily, L. M., 772—1.
Melendy, F. H., 151—39.
Mellen, Chas. S., 67—2.
Mellen, W. S., 850—16.
Mellon, A. W., 405—2.
Mellon, Thos., 405—1.
Mellon, Thos A., 405—3.
Melrose, R., 176—14.
Mendenhall, Chas., 37—76; 177—14.
Mendenhall, J. D., 151—97.
Mercer, Harry, 150—96.
Mercer, J., 455—24.
Merchant, G. E., 87—5.
Meredith, G. H., 594—4.
Meredith, J. P., 468—13.
Merrell, G. W., 395—76.
Merriam, A., 817—2.
Merriam, A. L., 273—3.
Merriam, Chas., 161—3; 248—2; 370a—2; b—2; c—2; 371—2.
Merriam, E. G., 463—26.
Merrill, A. F., 150—70.
Merrill, E. W., 285—5.
Merrill, F. E., 688—20.
Merrill, F. A., 850—19.
Merrill, G. D., 66—11.
Merrill, J. E., 785—3.
Merrill, J. J., 140—17.
Merrill, J. S., 37—30.
Merrill, Robert, 244—13.
Merrill, S. L., 226—3.
Merrill, W. F., 141e—3; 141f—6.
Merrill, W. H., 323—9.
Merriman, M. B., 141e—6; 141f—21.
Merrion, John, 37—57.
Merritt, C. H., 332a—2.
Merritt, T. E., 326—4.
Merritt, Wm., Jr., 68—11.
Merry, J. F., 339—69.
Merry, Ralph, 818—1.
Merryfield, J. R., 557—87.
Merryweather, G., 160—2.
Mershon, G. W., 587—1.1.
Mertsheimer, F., 792d—7.
Mesick, F. B., 153—30.
Messler, T. D., 171—1; 255—1; 588—4, 8; 588b—2.
Metcalf, O., 193—3.
Metcalfe, J. G., 416—45.
Metheeny, J. M., 588a—7.
Metropolitan Trust Co., 458—16.
Metz, Adam, 93—3.
Metzger, F. G., 855—3.
Metzler, C. E., 603—31.
Meyer, Chris., 317—2.
Meyers, Jacob, 2—6.
Meyers, P. E., 618b—10.
Meyers, R. H., 587—72.
Michael, J. B., 257—25
Michaels, M. F., 150—88
Michellon, Jas. P., 100—1.
Middagh, D. B., 715—19.
Middleton, A. W., 24a—3.
Middleton, H., 416—24.
Middleton, R. H., 321—4.
Middleton, W. G., 299—9.
Milburne, T. H., 406—2.
Milan, P. J., 696—5.
Milebam, J. W., 521—43.
Miles, Nathan, 311—3.
Millar, A., 672—3; 792—6.
Millen, Thomas, 519—8.
Milliner, C. A., 489—8; 489a—6; 489b—5.
Miller, C., 42—1.
Miller, C. N., 42—6.
Miller, Chas., 175—1.
Miller, D., 439—6.
Miller, E. A., 518—19.
Miller, E. H., Jr., 734—6; B—b—5.
Miller, F. A., 150—72.
Miller, Frank, 661—3.
Miller, Geo., 416a—6.
Miller, Geo. M., 243—1; 515—1; 530—2.
Miller, Geo. R., 327—3.
Miller, Geo. W., 141e—29; 141f—20.
Miller, H. I., 588—35.
Miller, James, 384—23.
Miller, J. A., 463a—16.
Miller, J. C., 150—86.
Miller, J. H., 771—35.
Miller, John J., 42—4.
Miller, J. F., 588—80.
Miller, Jos. G., 49b—36.
Miller, J. H., 463—16.
Miller, J. L., Jr., 49b—30.
Miller, J. M., 52—4.
Miller, J. W., 237—38.
Miller, J. W., 530—4.
Miller, N. D., 692—15.
Miller, Otto, 151—46.
Miller, Roswell, 150—3; 443—6.
Miller, S. H., 143—9.
Miller, S. M., 339—74.
Miller, S. T., 235—2.
Miller, Thomas, 141a—16.
Miller, Wm., 73—4.
Millholland, J. A., 302; 302a—4.
Milligan, F., 672—8.
Milligan, W. S., 150—80.
Millington, S. R., 326—2.
Mills, A., 65—10; 278—1.
Mills, C. W., 87—9.
Mills, D. O., 808—1.
Mills, D. O., 271—2.
Mills, Edgar, 271—1.
Mills, E. T., 143—28.
Mills, G. N., 142e—32.
Mills, G. T., 808—6.
Mills, J., 463a—28.
Mills, I. N., 589b—21.
Mills, Stott, 402—10.
Mills, S. H., 550—66.
Mills, S. J., 151—49.
Mills, W. A., 198—7.
Mills, W. H., 734—21.
Milner, T. J., 569b—4.
Milner, W. C., 501—3.
Mims, Wm., 824—7.
Miner, C. E., 734C—14.
Miner, R. S., 415—10; 416—40.
Minetree, J. P., 645—20.
Minier, L. P., 166—30.
Mink, O. W., 672—4; 792—11; 793c—4.
Minnick, J. P., 49b—29.
Minor, W. T., 735—4.
Minshull, E., 526—15.
Minsker, J., 589a—27.
Minton, W. D., 257a—10.
Mintwin, R. B., 237—2.
Minty, R. H. G., 473—3.
Mirick, H. D., 582—6.
Missimer, M. M., 132—4.
Mitchell, Alex., 150—1.
Mitchell, A., Jr., 150—97.
Mitchell, A., 404a—10; 404c—8.
Mitchell, B. F., 516—41.
Mitchell, C. F., 150—90.
Mitchell, James, 710—3.
Mitchell, J. G., 257—4.
Mitchell, J. R., 51—2.
Mitchell, J. W. W., 79—4.
Mitchell, R. M., 31—1.
Mitchell, W. W., 283—9.
Mixer, C. L., 29—21.
Mobley, W. C., 188—2.
Mock, J. F., 559—8.
Moe, B., 339—16.
Moe, Wm., 736—11.
Moffatt, C., 693—5.
Mohler, A. L., 692—11.
Moles, H. H., 370—17.
Moir, W. K., 463a—16.
Moist, M. G., 688—21.
Moll, J. B., 150—55.
Molloy, Peter, 734a—27.
Monahan, J. J., 416a—10.
Monett, E. T., 151—87.
Monett, H., 517—15.
Monical, J., 688—40.
Monjo, D. M., 778—5.
Monroe, M. S., 151—78.
Monserrat, N., 182—1.
Monserrate, M. D., 734C—6; C—b—1, 8; d—2.
Montague, Geo., 24e—15.
Montandon, G. E., 24e—16.
Montier, A. N., 370—14.
Montfort, R., 416—20.
Montgomery, H. H., 406—4.
Montgomery, J., 151—64.
Montgomery, Jas., 561—3.
Moosar, D. W., 588a—20.
Moody, H., 103—21.
Moody, R. B., 102a—9.
Moody, Samuel, 588—74.
Moody, W. A., 645—24, 7.
Moon, Geo. Q., 621—1.
Mooney, J., 688—40.
Mooney, James, 734C—b—11; d—9.
Mooney, M. C., 289—7.
Mooney, P. V., 763—3.
Mooney, S. L., 52—2.
Moore, A. H., 818—2.
Moore, A. J., 138—47.
Moore, A. W., 487—1.
Moore, E. M., 660—8.
Moore, E. W. S., 831—3.
Moore, Fred. T., 486—4.
Moore, Geo., 666—11.
Moore, G. B., 24—37.
Moore, Geo. W., 486—3.
Moore, Geo. W., 667—4.
Moore, H., 446—2.
Moore, H. B., 309—69.
Moore, H. C., 519—10.
Moore, Jno. W., 580—1.
Moore, J. L., 721—5.
Moore, J. E., 151c—17.
Moore, L. E., 513—4.
Moore, S. L., 550—50.
Moore, Stephen, 486—2.
Moore, T. M., 207—6.
Moore, W. H., 502, 503—4.
Moore, W. P., 141—63.
Moran Bros., 496—2.
Moran, Chas., 439—2.
Moran, J. B., 151a, b—29.
Moran, M. R., 360—7.
Mordough, C. C., 150—97.
Morehead, J. T., 224—1.
Morehouse, K. C., 151a, b—9.
Morehouse, L. P., 339—34.
Morel, C. T., 618c—11.
Moreland, D. W. H., 692—33.
Morey, D. B., 339—27.
Morey, Edwin, 67—1.
Morey, J. G., 339—66.
Morford, J. B., 443—39.
Morgan, Chas., 715—12.
Morgan, J. B., 780—13.

Morgan, W. M., 463b—12.
Morgan, W. J., 309—32; 309a—7; 309b—6.
Moriarty, A. J., 37—64.
Moriarty, Ed., 151—79.
Moriarty, T., 24—37.
Moring, W. P., 820—15.
Morkill, R. D., 638—2.
Morley, Geo. W. 663—2.
Morley, J. H., 151—91.
Morley, W. K., 138—18.
Morrell, W. H., 69—6.
Morrill, C. H., 676—25.
Morrill, G. S., 563—12.
Morrill, H. L., 688—6.
Morrill, H. P., 151—80.
Morrill, J., 625—5.
Morrill, J. E., 153—40.
Morrill, N. W., 248a—3.
Morrill, W. C., 820—2.
Morrill, W. S., 49b—22.
Morris, C. A. F., 691—15.
Morris, C. W., 281—2.
Morris, F. K., 97—4; 701—3.
Morris, H., 850—18.
Morris, James, 141d—11.
Morris, J. S., 588—25.
Morris, R. C., 491—4.
Morris, T. O., 168—7.
Morris, W. C., Jr., 404—13; 404a—7.
Morrison, Alex., 131—1.
Morrison, I. L., 359—7.
Morrison, J. C., 692—19.
Morrison, J. H., 597—7.
Morriss, A. W., 416—10.
Morrow, A. N., 143—27.
Morrow, J. L., 80—4; 709—3.
Morse, A. C., 151—79.
Morse, A. G., 305—3.
Morse, E. R., 476—7.
Morse, F. W., 476—5.
Morse, J. W., 792—32.
Morse, L. H., 141f—25; 141h—14.
Morton, G. A., 65—9.
Morton, Paul, 141—12.
Morton, W. H., 463—40; 771—35.
Moses, D. H., 150—77.
Mosher, S. P., 728—6.
Mosier, J. W., 416a—6.
Moss, A. R., 587—41, 45.
Moss, H. E., 24a—25.
Mott, Jos., 734a—27.
Motter, W. D. B., 673—2.
Moulding, J. J., 150—22.
Moulton, E. P., 67—22.
Moulton, G. S., 412b—2.
Mountain, G. A., 101—8.
Mounts, M., 166—19.
Mower, E. G., 771—30.
Mowry, W. G., 773—3.
Moyer, Chas., 82—12.
Moyer, R., 603—7.
Mozier, A. M., 49d—9.
Muckley, John, 792e—8.
Mudge, H. U., 24—37.
Muir, J. A., 734a—24.
Muir, Jas. H., 309a—4; 309b—3.
Muir, Jno., 516—7; 569—5.
Muir, Wm., 232—34.
Mulcahy, E., 176—15.
Mulhern, J. C., 422—15.
Mullane, R. D., 640b—10.
Mullaney, D. J., 640—29.
Mullen, John, 734a—27.
Mullen, M. F., 734a—27.
Mulligan, J., 206—3.
Mulligan, W. T., 347—3.
Mulliken, J. B., 161—2; 248—4; 248a—1.
Mullins, William, 171—7; 588—21.
Mulvane, Joab, 24f—1.
Mulvihill, E. J., 734a—27.
Mulvihill, J. E., 415—16.
Mulvihill, W. J., 166—14.
Mummert, A., 463—25.
Munge, Geo., 545—3.
Munro, J. C., 463—10.
Munroe, J. A., 792—40.
Munsie, H. C., 309—59.
Munson, E. C., 14—4.
Murff, H. S., 771—31.
Murphey, B., 589b—22.
Murphy, B. F., 26g. A—13.
Murphy, D. J., 821—4.
Murphy, Ed., 518—27.
Murphy, E. C., 337—4.
Murphy, E. R., 237—9.
Murphy, Geo., 498—6.
Murphy, James, 141e—21.
Murphy, J. G., 254—6.
Murphy, J. K., 569b—9.
Murphy, J. T., 734B—5.
Murphy, J. W., 518—28.
Murphy, Jos., 416a—6.
Murphy, M., 237—26.
Murphy, P. A., 89—21.
Murphy, P. H., 675—11; a—4.
Murphy, T. B., 587—94.
Murphy, Thos., 233—32.
Murphy, W. J., 521—52.
Murray, Chas., 151—45.
Murray, Hugh, 765—4.
Murray, John D., 614—9.
Murray, J., 103—42.
Murray, J. A., 151—99.
Murray, J. H., 89—26.
Murray, Matthew, 665—6.
Murray, O. G., 463—5; 682—9.
Murray, Wm., 339—70.
Murry, James, 378—8.
Murry, P. P., 443—45.
Musgrave, T. B., 139—2.
Musson, J. W., 517a—10; 814—6.
Myers, E. T. D., 647—3.
Myers, Geo., 356—4.
Myers, Lawrence, 644—1.
Myers, L. T., 708—3.
Myers, P. M., 150—5.
Myers, S. W., 587—41.
Myers, W. H., 587—57.

N.

Narey, P. F., 116—7.
Nash, C. C., 159—9.
Nash, F. A., 150—95, 98.
Nash, G. R., 309—14.
Nash, H. T., 675—8; a—3.
Nash, Peter, 463d—31.
Nash, S. C., 792—45.
Nash, T. W., 384—3, 9, 11.
Nash, W., 570—3.
Nason, C. S., 41—4.
Nasworthy, N. W., 540—23.
Naylor, G. F., 614—17.
Neafie, J., 233—35.
Neal, Chas. S., 741—3.
Neal, G. W., 546—5.
Neal, J. D., 523—6.
Neale, G. F., 218—5.
Needham, G. J., 645—47. 792—47.
Needham, G. R., 26—14.
Neel, C. M., 607—1.
Neel, C. M., 607—3.
Neeld, A. D., 614—7.
Neff, S. S., 210—4.
Neilan, M. A., 391—2.
Neilson, Charles, 166—9.
Neilson, Lewis, 587—10.
Neilson, R., 587—123; 589a—8.
Nelson, C. L., 29—31.
Nelson, E. D., 587—123; 589a—11.
Nelson, F. G., 772—5.
Nelson, H. S., 337—5.
Nelson, J., 571—26.
Nelson, J. T., 531—3.
Nelson, S. C., 238—23.
Nesbitt, John, 138—24.
Nettleton, G. A., 619—7.
Nettleton, G. H., 368—1; 370—1; b—1; c—1; 371—1.
Neugent, P., 450—14.
Nevens, George, 421—15.
Neville, J., 445—2.
Nevins, B. F., 688—35.
Nevins, Richd., Jr., 729—4.
New, W. T., 463a—16.
Newbegin, E. M., 463—35; 771—35.
Newberry, T. H., 246—3.
Newbold, W. M., 575—4.
Newcomb, Elisha, 624—9.
Newcomb, G. B., 26d—5.
Newcomb, T. S., 371—9.
Newcomb, W. H., 463b—31.
Newcomer, B. F., 26g, h—2; 618b—2.
Newell, Chas., 45—6.
Newell, E. I., 678—11.
Newell, J., 395—2.
Newell, J., 614—1.
Newell, T. H., 412a—4.
Newell, T. W., 463c—38; 468—15.
Newhall, D. S., 587—12.
Newham, J., 521a—23.
Newhouse, W., 477—2.
Newland, W. H., 666—20.
Newlin, W. V., 287—6.
Newman, A., 138—9.
Newman, C. H., 87—13.
Newman, H., 475—7.
Newman, W. H., 463—4; 682—8.
Newman, W. H., 463f—4; 640—19.
Newman, W. T., 646e—15.
Newton, A. R., 370—18.
Newton, A. W., 280—15.
Newton, C. F., 792a—2.
Newton, D. H., 329—1.
Newton, Geo. M., 305—4.
Newton, J. C., 329—3.
Newton, M., 329—2.
Newton, T. S., 248—13.
Neylan, J., 141—39.
Niblock, J., 103—43.
Nicholas, J. C., 463—8.
Nicolas, Jas., 463b—39.
Nicolls, G. A., 643—1.
Nichols, A. M., 146—7.
Nicholl, T. J., 259—5.
Nichols, B. E., 339—60.
Nichols, C. L., 24—35.
Nichols, D. H., 688—13.
Nichols, E. T., 692—4.
Nichols, Geo., 122a—4.
Nichols, G. W., 46—1.
Nichols, H. F., 463e—16.
Nichols, H. K., 321—5.
Nichols, H. K., 601—9; 603—15.
Nichols, Horace, 495—2.
Nichols, J. E., 151—97.
Nichols, J. H., 143—29.
Nichols, P. G., 734C—14.
Nichols, W. J., 49b—17.
Nicholson, G. B., 640—4.
Nicholson, G. T., 24—18.
Nicholson, M., 646f—7.
Nicholson, W., 276—7.
Nickerson, H. R., 24—35.
Nickerson, L. B., 495—5.
Nickerson, W., 471—5.
Nightingale, J. K., 82—7.
Nimmo, C. A., 785—5.
Nims, F. A., 161—4.
Nimson, C. H., 258—3.
Nix, A. J., 119—25; 200—6.
Nix, Geo. M., 339—62.
Noble, Horace A., 85—1; a—9; b—8.
Noble, J. S., 734a—27.
Noble, L. C., 335, 336—17.
Nolan, P., 640a—9.
Nonnemacher, A. W., 404—4.
Norrie, Gordon, 449—4.
Norris, C. D., 198—23.
Norris, C. H., 443—39.
Norris, C. W., 168—17.
Norris, W. B., 587—41, 49.
Northup Jay H., 132—1.
Northrup, L. H., 29—7.
Norton, Benj., 412—7.
Norton, Ex., 416—1.
Norton, H. C., 348—11; 348a—9. 601—11; 603—16.
Norton, J. H., 488—2; 740—5.
Norton, P., 416b—7.
Nourse, J. P., 116—7.
Now, F. E., 11.
Noyes, F. B., 530—9.
Noyes, Geo. H., 450—4.
Nussear, J. H., 822—8.
Nutt, Henry C., 29—1.
Nutting, L. H., 335, 336—15.
Nye, C. H., 563—11.
Nye, E. S., 463e—22.
Nye, F. O., 161—19.
Nye, R. L., 425—4.

O.

Oakes, T. F., 550—2, 85.
Oates, J. M., 138—49.
Oatman, E. F., 271—3.
Oatman, E. F., 661—2.
Obenhaust, Wm., 463d—37.
Obenshain, J. B., 272—8.
Oberg, Charles, 138—46.
O'Brien, A. H., 603—17, 50.
O'Brien, John, 26q—6.
O'Brien, J. F., 521a—27.
O'Brien, Wm., 734 Q—c—15.
O'Bryan, J., 151a, b—29.
O Connell, D. J., 790—2.
O'Connell, T., 463e—12.
O'Connor, P., 450—13.
Odell, C. W., 89—24.
Odell, J. T., 550—10; 693—2.
Odiorne, J. S., 415—6.
O'Donnell, Jas., 416b—7.
O'Donnell, J., 780—12.
O'Donnell, P., 141a—46.
Offutt, G. W., 412—13.
Ogden, H. S., 317—3; 451—3.
Ogden, I. G., 103—11.
Ogden, F. B., 597—5.
O Grady, John, 373—3.
O'Keefe, Geo. A., 248—19.
Olcott, H. P., 24—34.
Olds, Geo., 103—5.
O'Leary, Henry, 378—1.
Olhausen, J. H., 120—5.
Oliffe C. W., 412a—2.
Olin, D. A., 150—26.
Oliver, J. S., 618d—9.
Oliver, J. S., 151—75.
Oliver, R., 96—7.
Olmstead, F. L., 792e—6.
Olmsted, H. M., 130—3; 217—2.
Olney, G. H., 852—2.
O Laughlin, J., 150—97.
Olson, Ole, 451—7.

Olyphant, F. M., 232—6.
Olyphant, R. M., 232—1.
O'Meara, B. H., 150—94.
Onderdonk, T. T., 668—1.
O'Neil, J., 307—3.
O'Neil, P., 89—31.
O'Neill, G., 792b—8.
Orchard, J. H., 232—40.
Orchard, T., 232—39.
Ord, Joseph P., 758—2; 814—2.
O'Regan, Thomas, 102a—15
O'Reilly, J. A., 417—24.
Orem, J., 589b—10.
Orland, W. P., 40e—39.
O'Rourke, A. A., 580—33.
O'Rourke, P. S., 588a—8.
Orr, H. C., 141b, c—18.
Orr, James P., 588—56.
Orr, Wm., 810—18.
Ortman, J. H., 610—1.
Ortton, John, 517—44.
Orwig, A. W., 587—64.
Osborn, A., 237—36.
Osborn, C. E., 416d—14.
Osborn, C. M., 159—5.
Osborn, E. F., 168—2.
Osborn, J. M., 810—15.
Osborn, T. W., 226—1.
Osborne, J. G., 540—22.
Osborne, M. W., 24—17, 21; 24f—14.
Osborne, N M, 540—18.
Osborne, W. R., 82—11.
Osgood, J O., 782—9.
Osgood, S. M., 24a—20; 24b—4.
Osterhout, M. L, 716—9.
Ostrander, A. B., 29—28.
Ostrander, J. A., 93—7.
Otis, Hayford, 662—2.
Otis, Spencer, 792d—8.
Otis, W. D., 517—37.
Ott, Oran, 339—21.
Ouillette, A., 102a—16.
Ouillitt, H, 102a—16.
Outten, W. B., 463—14.
Overbagh, G. B., 517—46.
Overholt, S. H., 812—10.
Owen, Frank, 122c—6.
Owen, W. F., 734C—8; C—c—10.
Owens, C. D, 618c—13.
Owens, J. M., 669—6.

P.

Packard, S., 774—3.
Paddock, A. B., 19—7.
Paddock, H. L., 451—4.
Page, Edwd., 281—1.
Page, H. D, 151—61.
Page, W. H., 168—16.
Page, W. S., 146—6.
Paige, C. E., 206—15.
Paige, R. K., 616—2.
Paine, A. B., 592—5.
Paine, G. H., 521—60.
Paine, G. W., 257—33.
Painter, M., 634—5.
Palmer, A. C., 214—3.
Palmer, A. D., 833—5.
Palmer, A. G., 50—5.
Palmer, C., 151—80.
Palmer, C. H., 389—3.
Palmer, C. V., 214—5.
Palmer, E. L., 24a—28.
Palmer, Jno. B, 26c—1.
Palmer, J. H., 349—6.
Palmer, L. W., 524—14.
Palmer, S. S., 684—2.
Palmer, W., 587—161.
Palmer, W. B., 455—17.
Palmer, W. J., 238—1.
Pangborn, G. W., 24a—8; 24b—3.
Papin, P. D., 419—19.
Papy, F. B., 282—8.
Paradise, N. J., 141e—24.
Paramore, J. W., 676—24.
Pardee, Ario, Jr., 258—1.
Pardee, D. W., 395—5; 517b—2.
Pardee, W. M., 518—24.
Parlon, E., 491—10.
Paris, C. L., 237—28.
Paris, C. W., 557—34.
Park, G A., 575—7.
Park, W. H., 186—7.
Parke, R. A., 587—169; 589c—9.
Parker, D. T., 13—3.
Parker, E. D., 455—20.
Parker, G. W., 675—2.
Parker, H. A., 153—36.
Parker, J. V., 370—6.
Parker, M. C., 508—3.
Parker, N., 203—2.
Parker, S. O, 640—15.
Parker, S. S., 416d—3
Parker, W. H., 463a—34.
Parkman, H., 286; 286a—11.
Parkhurst, M. F., 130—8.
Parkin, G. J., 588—75.
Parks, A. S., 428—7.
Parks, J., 587—48.
Parks, J., 792d—3.
Parrish, W. J., 646e—14.
Parson, Chas., Jr., 660—3.
Parsons, Chas. T., 98—7; 660—1.
Parsons, Edwin, 641—2.
Parsons, H. C., 558—1.
Parsons, J. H., 785—2.
Parsons, J. H., 139—7.
Parsons, James, 831—6.
Parsons, L. S., 415—9.
Parsons, W. B., Jr., 521b—6.
Parsons, W. F., 395—20.
Patch, J. R., 206—10.
Patchen, W., 734a—34.
Patillo, R. S., 760—5.
Patriarche, A., 280—7.
Patrick, Geo., 416a—3.
Pattee, F. H., 98—2.
Patten, H. B., 792b—4.
Patterson, D. R., 143—6.
Patterson, David, 792d—9
Patterson, E. G., 792—53.
Patterson, E. L., 49b—31.
Patterson, H., 232—24.
Patterson, J., 102a—15.
Patterson, J. S., 168—9.
Patterson, R. B., 585—2.
Patterson, S. F., 203—9.
Patterson, W. M., 734a—26.
Pattie, J. O., 150—5.
Pattillo, H. A, 668—2.
Pattison, J. M., 432—5.
Patton, Charles, 640—14.
Patton, E. E., 177—18.
Paton, John, 641—1.
Patton, J. V., 37d—2.
Patton, J. V., 37—63.
Patton, W. A., 587—14; 589i—2.
Paul, J. W., 792e—11.
Paulson, John, 14—3.
Paxson, Isaiah, 587—41.
Paxson, L. B., 603—33.
Payne, G. W., 587—56; 646i—2
Payne, J. E., 207—5.
Payne, W. T., 151c—40.
Peabody, Geo. E., 587—16.
Peabody, John, 200—1.
Peabody, S. P., 196—3.
Peabody, W. R., 24a—27.
Peak, W. E., 150—94.
Peale, S. R., 50—9.
Pearce, Geo. S, 678—4.
Pearce, W. A., 645—45.
Pearce, Waldo A., 26—12.
Pearce, W. G., 550—42.
Pearce, Walter, 323—5.
Pearsall, T. W., 287—2.
Pearse, E. C., 49e—12.
Pearson, F. E., 151—65.
Pearson, Geo., 504—2.
Pearson, O. G., 618—5.
Pease, C. S., 232—18.
Pease, D. O., 150—97.
Pease, F., 161—24.
Pease, F. N., 587—31.
Pease, T. J., 430—2.
Peasley, J. C., 141—2; 141a—4; 141c—3; 141d—4; 141e—4; 141f—3.
Pechin, E. C., 558—2.
Peck, A. V., 176—7.
Peck, Bronson, 239—4.
Peck, C B., 151—78.
Peck, E. A., 49d—4.
Peck, E. W., 90—3.
Peck, Geo. R., 24—36; 24f—10.
Peck, J. B., 735—5.
Peck, J. C., 176—22.
Peck, P. H., 141e—26.
Peck, R. M., 463—18.
Peck, T. C., 49b—14.
Peck, W., 850—30.
Peckham, R., 516—24.
Peddle, C. R., 803—13.
Peddle, W. H., 120—12.
Peden, A. G., 101—6.
Peebles, John G, 23—2.
Peebles, Robert, 23—3.
Peelar, T. M., 780—7.
Peeples, T. W., 422—7
Pegram, R. B., Jr., 257a—5.
Pelton, R. J., 443—18.
Penfield, Sam. L., 114—3.
Penfield, T., 582—3.
Pennepacker, J. W., 589b—10.
Pennington, B. C., 141—41.
Pennington, E., 454—6.
Pennington, W. S., 282—17.
Penny, Wm. A., 106—5.
Pensinger, G. W., 222—11.
Penton, J. T., 419—9.
Peppard, D. M., 588—75.
Percy, Chas., 309—4; 309a—3; 309b—2.
Perkins, Alfred, 68—18.
Perkins, B., 253—1.
Perkins, C. E., 141—1; 141a—1; 141c—1; 141f—1.
Perkins, G. L., 524—20; 524a—2.
Perkins, J. A., 523—4.
Perkins, J. J., 165—3.
Perkins, J. N, 67—25.
Perkins, J. W., 524—3.
Perkins, N. R., 835—1.
Perkins, R C., 468—20.
Perkins, W. W., 734a—59.
Perley, W. G., 101—2.
Perrin, A. W., 532—3.
Perris, F. T., 98—11.
Perry, A. D., 138—51.
Perry, D. W. C., 582—5.
Perry, E. J., 370a—4; b—4.
Perry, E. Y., 319—1.
Perry, F. A., 137—7.
Perry, H. H., 292—4.
Perry, H. M., 24—28.
Perry, J. K., 226—2.
Perry, T. H., 393—12.
Perry, Wm. F., 76—1.
Pershing, D. H., 311—1.
Persing, W. A., 245—11.
Peters, James, 571—26.
Peters, J. W., 625—3, 4.
Peters, Joseph D., 308—3.
Peters, P., 24—37.
Peters, Ralph, 164—2; 588—43.
Peterson, J. E., 150—90.
Petheram, J. W., 161—10.
Petrie, Ira F., 359—5.
Petrikin, 257—27.
Petry, Chas. H., 380—5.
Pettee, Newell, 443—42.
Pettibone, W. H., 782—3.
Pettit, C. H., 456—4.
Pettit, R. E., 587—37.
Pettus, Stephen, 79—3.
Petty, G. C., 176—17.
Petty, 660—19.
Peyton, H. F., 463b—90.
Pfister, G., 450—3; 450a—3.
Pfortner, Jacob, 439—10.
Phair, E. E., 378—5.
Phalen, Martin, 8—17.
Pharo, J. J., 787—5.
Pharo, W. W., 787—7.
Phelan, E. W., 150—90.
Phelan, J. R., 141a—44.
Phelps, D. P., 598—1.
Phelps, H., 291—2.
Phenegar, I., 749—2.
Philbrick, C. P., 370a—9.
Phillip, H. A., 279—16.
Phillippi, J. O., 24—11.
Phillips, Anson W., 326—6.
Phillips, C. T., 319—3.
Phillips, E. B., 279—1.
Phillips, F. H., 517—42.
Phillips, J, 557—23.
Phillips, J. B., 150—89.
Phillips, J. F., 153—8.
Phillips, J. M., 314—14.
Phillips, N. A., 151—4.
Phillips, R. E., 425—2.
Phillips, S., 417—36.
Phillips, T. A., 282—5.
Phillipps, W. H., 538—1.
Phillips, W. M., 587—70.
Phillips & Stewart, 676—13.
Phinney, J D., 378—3.
Phinney, S., 666—13.
Phinizy, C. H., 299—1.
Phippen, G. B., 524—4.
Phipps, W. H., 151c—16.
Phyfe, J. H., 517—41.
Picard, F. J., 197—1.
Piccoli, John, 792d—11.
Pickens, S. B., 273—5; 735—5.
Pickering, C. C., 187—5.
Pickering, W. S., 198—17.
Pierce, H., 166—23.
Pierce, M. N., 331—4.
Pierpont, W. H., 586—2.
Pierson, Ornan, 406—3.
Pike, W. P., 416a—9.
Pillsbury, F. C., 453—1, 7.
Pillsbury, J. S., 452—1.
Pilsbury, Amos., 421—14.
Pinckney, Thos., 540—15.
Pinkerton, F. R., 37g—3; 374—2.
Pinkerton, J. A., 421—24.
Pinkham, D. D., 295—5.
Pirie A. B, 141a—40.
Pitcairn, E., 587—88.
Pitcairn, R., 587—39, 86.
Pitcher, H. E., 779—5.
Place, C. A, 150—9.
Place, T. W., 339—57.
Plant, H. B., 618—1; 618b—1; c—1.

Plass, C. H., 463d—36.
Platt, C. H., 524—19.
Platt, F. H., 446—1.
Platt, J. E., 257—32.
Platt, Thomas C., 1—1; 75—1.
Player, John, 116—12.
Plough, A. B., 116—11.
Plues, L. H., 280—13.
Plumb, P. M., 150—86.
Plummer, Wm., 516—33.
Plunkett, P., 449—29.
Poe, J. T., 468—18.
Poland, A. J., 339—55.
Polk, G. W., 734C—a—10; C—e—12; C—f—12.
Polk, I. H., 29—23.
Polk, J. S., 681—4.
Pollard, W. D., 595—2.
Pollock, R. W., 744—10.
Pollock, T. C., 587—160.
Pomeroy, L. R., 750—2.
Pond, Ashley, 443—21.
Pond, H. O., 197—9.
Pond, H. L. B., 441—5.
Pool, Joseph, 369—67.
Poole, Ed. L., 151c—27.
Poole, W. W., 119—29.
Pope, A., 540—9.
Pope, J. H., 102—1.
Popple, B. F., 139—9; 521a—10.
Poppleton, A. J., 792—22.
Poppleton, H. H., 49c—4.
Porter, F. W., 153—9.
Porter, G. M., 666—1.
Porter, H. H., 146—1.
Porter, J. G., 853—4.
Porter, J. S., 348—17.
Porter, John, 148—4.
Porter, W. B., 801—4.
Porter, W. S., 148—5.
Porterfield, W. W., 13—6.
Portland Nat. Bank, 626—3.
Portis, T. J., 463—28.
Posey, E. C., 468—26
Post, Dan. H., 133—3.
Post, G. W., 216—3.
Post, I. J., Jr., 26a—3; 26g, h—5.
Post, J. J., 521—18.
Post, W. F., 151a, b—31.
Postlethwaite, A. G., 550—84.
Postlethwaite, E. T., 587—6.
Pott, John R., 150—97.
Potter, C., 49f—3.
Potter, E. F., 151—79.
Potter, H. C., 280—2.
Potter, H. C., Jr., 280—3.
Potter, I. B., 151a, b—39.
Potter, M. F., 49f—8.
Potter, T. J., 141—2; 141a—2; 141c—3; 141e—2; 141f—2; 141G—1; 141d—6; 141h—5; 792—3.
Potter, W. F., 280—5.
Potter, W. H., 588—77.
Pottinger, David, 102a—1.
Potts, E. P., 463e—24.
Potts, F. A., 533—1.
Potts, Geo. H., 129—1.
Potts, J. S., 645—12.
Potts, Robert, 443—33.
Potts, S. J., 587—55.
Powell, E. B., 360—5.
Powell, W. B., 587—25
Powell, Wm. E., 150—75.
Power, N. J., 309—10.
Powers, H. C., 21—3.
Powers, M. R., 645—56
Poyntz, Nat., 762—5.
Pratt, E. K., 463d—41.
Pratt, E. E., 141—5; 524—25.
Pratt, F. S., 279—12.
Pratt, H. W., 141b, c—17.
Pratt, Henry, 443—4.
Pratt, Joseph T., 493—8.
Pratt, R. H., 734—2.
Pratt, W. A., 37—67.
Pratt, Wallace, 371—4.
Pratt, W., 463d—32.
Pratt, W. H., 465—1.
Prescott, C. H., 569—2; 571—5.
Prescott, D. C., 67—7.
Prescott, F. H., 122b—8.
Prescott, G. H., 803—15.
Prescott, R., 703—5.
Preston, A. W., 587—118.
Preston, D., 103—35.
Preston, H. L., 151c—36.
Preston, J. H., 153—43.
Preval, T. M., 299—10.
Prevost, S. M., 587—34.
Price, Chas. B., 8—8.
Price, F. B., 26—13; 645—46.
Price, F., 425—6.
Price, Isaac, 688—25.
Price, J. F., 163—3
Price, James E., 102a—18.
Price, Jos., 526—2.
Price, T. J., 339—57.
Price, T. T., 787—4.
Price, Wm., 765—5.
Price, W. H. H., 416a—21.
Price, W. P., 292—1.
Price, W. R., 569a—5.
Price, W. W., 265—7.
Pride, A. H., 151—84.
Pridham, D. J., 150—93; 150—96.
Priest, Z. C., 517—39.
Prince, J. T., Jr., 620—4; 638—12.
Prince, P. B., 587—188.
Pringle, C. R., 697—1.
Proctor, C., 734C—d—3.
Proctor, D. C., 734C—b—7.
Proctor, G. W., 416—9.
Prohm, A. T., 49e—33.
Proudfit, S., 151c—25.
Proudfoot, F. R., 37—45.
Prowell, C. S., 550—81.
Pruden, Geo. A., 116—15.
Prugh, W. W., 734a—24.
Pruyn, Isaac, 114—2.
Pugh, C. K., 587—21.
Pullman, J. W., 327—2.
Pullman, S., 153—35.
Pulsifer, R. M., 426—1; 618d—2; 817—1.
Punnett, E. K., 550—42.
Purcell, S. H., 645e—12.
Purdy, W. G., 153—4.
Purdy, W. G., 518—16.
Purkey, J. A., 49e—14.
Purvis, G. B., 65—21.
Pusch, Geo., 16—5.
Pusey, Chas. J., 357—3.
Putnam, D., Jr., 23—4.
Putnam, G. V., 284—5.
Putnam, Henry W., 79—1.
Putnam, O. W., 415—11.
Putnam, S. C., 563—7.
Putnam, S. C., 791—4.
Putnam, W. L., 662—1.
Pyle, D. M., 702—1.
Pyne, P. R., 233—2.

Q.

Quackenbush, A. W., 812—22
Quandt, C., 49e—30.
Quarles, G. W., 467—5; 494—4.
Quarrier, A. M., 416—3.
Quarrier, C., 416—12.
Quayle, Robert, 151—52.
Quest, Wm., 614—19.
Queyronne, P. L., 734C—5; C—d—4.
Quick, C. B., 42—11.
Quick, J. E., 309a—14; 309b—13.
Quiggle, C. A., 587—138.
Quiggle, G. W., 151—79.
Quigley, J. M., 782—1.
Quimby, F. W., 339—45.
Quinlan, G. A., 335, 336—7.
Quinlan, J. A., 141—65.
Quincy, W. C., 614—4.
Quinn, A. J., 550—59.
Quinn, H. F., 734a—27.
Quinn, James, 808a—9.
Quinn, R., 548—6.
Quinn, W., 187—8.
Quintard, E. S., 507—5, 10.
Quintard, Fred., 507—6.

R.

Rabe, A. L., 734—27.
Radcliff, Thos. D., 630—3.
Radley, Jno. W., 136—6.
Rafferty, Geo., 150—95.
Rafferty, J. P., 533—3.
Rafferty, Thos., 150—90.
Rahm, J. M., 404c—12.
Raiford, W. P., 645—58.
Raine, Fred., 49b—21.
Rainnie, G., 500—10.
Rainnie, Wm., 102a—15.
Raipe, W. W., 116—24.
Ralph, J. E., 289—2, 3.
Ralston, A. J., 64—2.
Ralston, J., 463d—40.
Ramsay, A. J., 586—3.
Ramsey, J., Jr., 166—13.
Ramsey, N. P., 227—8.
Ramsever, W. H., 151a, b—19.
Rand, F. H., 618d—4.
Randall, F., 449—29.
Randall, G. E., 67—27.
Randall, M. A., 67—27.
Randall, R. R., 141a—34; 141a—43.
Randall, W., 141a—21.
Randolph, G. F., 267—6.
Randolph, J. L., 37—22; 37f—3.
Randolph, L. S., 282—12.
Randolph, P., 645—8.
Rank, W. N., 238—15.
Ranlett, D. D., 122a—5; 122c—2.
Ranney, F. G., 150—8.
Ranney, J. M., 159—7.
Ransom, J. E., 74—4; 75—4.
Raoul, W. G., 119b—1; c—1; d—1.
Rapelje, John, 792d—5.
Rathbun, E. W., 489—5; 489a—2; 489b—1; 489c—2.
Rathbun, F. S., 489—4; 489a—3; 489b—3; 489c—3.
Rathbun, H. B., 489a—1; 489c—1.
Rathburn, C. M., 24—35.
Rattenbury, J., 153—28.
Rattle, T. S., 151—92.
Rauh, A. J., 644—15; 646a—3; e—5.
Rausch, Fred., 678—12.
Rausch, L., 688—30.
Ravenel, A. F., 26b, c—1; 26d—1.
Ravesies, Paul H., 640—18.
Ravlin, J. W., 678—7.
Rawn, I. G., 49d—5.
Ray, Alfred, 6—3.
Ray, David, 151—97.
Ray, Edward, 835—5.
Ray, E. A., 508—2.
Ray, T. J., 463b—37.
Ray, R. F., 468—25.
Rayburn, K., 764—3.
Raymond, E., 24—37.
Raymond, F. D., 363—2.
Raymond, W., 205—18.
Raynsford, J. R., 478—2.
Read, C. O., 481—2.
Read, H., 309—6.
Reagan, C., 49f—14.
Reamer, E. J., 610—5.
Reaney, F. W., 31—5.
Reardon, Frank, 792a—10.
Reasoner, A., 233—25.
Reckless, A., 120—8; 522—2.
Rector, C. P., 463—52; 463i—8.
Reddick, S., 445—8.
Redfield, J. B., 151—20; 151a, b—5.
Redfield, J. E., 197—3.
Redford, J. C., 645—31.
Redmon, J. H., 771—26, 28.
Redmond, James, 728—7.
Reece, Benj., 395—58.
Reed, A. E., 589b—16.
Reed, A. L., 26—15; 622—8.
Reed, Charles, 517—32; 517a—18.
Reed, Edward M., 525—3.
Reed, F. O., 782—6.
Reed, G. W., 235—4.
Reed, H. C., 449—25.
Reed, H. L., 217—7.
Reed, H. W., 618c—16.
Reed, James, 587—59.
Reed, J. A. S., 141—63.
Reed, Peter, 793d—10.
Reed, W. D., 37c—13.
Reed, W. H., 812—41.
Reed, W. T., 692—18.
Reedy, M., 803—28.
Rees, D. E., 651—2.
Rees, R. J., 810—5.
Reekie, J. F., 248—7.
Reese, E. L., 64—6.
Reese, J. B., 792—53.
Reese, W. M., 419—21.
Reeve, Geo. B., 309a—8; 309b—7.
Reeves, J. E., 49b—15.
Reeves, S. D., 138—35.
Reeves, W. E., 138—39.
Regan, J. A., 79—10.
Regan, M. R., 151—47.
Reid, A. L., 516—28.
Reid, G. M., 395—28.
Reid, R., 548—17; 557—3.
Reid, William, 626—1.
Reighley, H. W., 449—20.
Reilley, Bernard, 432—3.
Reilly, Philip, 274b—7.
Reilly, Philip, 404c—13.
Reilly, Thos. A., 595—1.
Reilly, W. H., 314—12.
Remey, Jno. T., 93—3.
Remington, J. D., 660—11.
Rendall, G. W., 648—6.
Renler, P., 150—87
Reniff, J. R., 103—17.
Rennell, T., 439—9.
Renner, J. W., 171—5; 588—9; 588b—6.
Renshaw, W., 339—49.
Renton, D., 49e—10.
Renton, J. B., 309—3.
Reppert, W. E., 37—49; 196—4.
Repplier, J. Geo., 129—2.

Reesequie, C. F., 141—43.
Rettew, C. E., 232—32.
Reynolds, Edward, 699—8.
Reynolds, E. M., 402—7.
Reynolds, Isaac, 801—5.
Reynolds, J., 331—1, 2.
Reynolds, J., 186—9.
Reynolds, J., 594—6.
Reynolds, John H., 659—2.
Reynolds, J. W., 587—145.
Reynolds, R. D., 20A—9.
Reynolds, R. F., 419—23.
Reynolds, S. S., 46—10.
Reynolds, W. E., 640—28.
Rhawn, W. H., 691—2.
Rhett, B. S., 26d—2.
Rhett, W. H., 119—26; 735—15.
Rhinelander, F. W., 449—1.
Rhinelander, F. W., Jr., 449—2.
Rhodes, D. H., 383—3.
Rhodes, G. W., 141—34.
Rhodes, J., 504—1.
Rhodes, J. B., 52—8.
Rhodes, J. H., 659—4.
Rhodes, T. D., 558—3.
Riach, W. A., 26—7; 26e—4; 26f—4.
Rice, A. V., 169—6.
Rice, C. M., 663—5.
Rice, F. C., 149—49.
Rice, Judson, 734B—6.
Rice, J. B., 692—24.
Rice, Owen, 176—6.
Rice, S. B., 647—10.
Rice, A. B., 804—6.
Rice, W. F., 587—41.
Rice, W. W., 454—7; 456—7.
Richard, O. D., 395—46.
Richards, A. M., 138—29.
Richards, E. J., 517—16.
Richards, Geo., 327—1.
Richards, Geo., 69—8.
Richards, J. H., 463h—1; 463i—2.
Richards, J. T., 587—23.
Richards, L. H., 628—1.
Richards, R. C., 151—39.
Richards, T. M., 603—51.
Richards, W. H., 628—2.
Richards, W. T., 24e—14; 299—3.
Richardson, C. W., 347—4.
Richardson, D. C., 68—15.
Richardson, E., 716—6.
Richardson, E. F., 150—98.
Richardson, F. M., 272—5.
Richardson, John, 640b—8.
Richardson, J., 141f—29.
Richardson, J. A., 812—31.
Richardson, J. B., 734C—3; C—a—8; C—b—6; C—c—3; C—e; f—10.
Richardson, J. F., 67—25.
Richardson, J. G., 385—3.
Richardson, R. M., 463d—50.
Richey, W. C., 587—83.
Richmond, A. G., 703—3.
Richmond, F. L., 550—28.
Richmond, H. L., Jr., 434—3.
Rickard, R. D., 526—9.
Rickard, W., 598d—8.
Ricker, R. E., 237—3.
Ricker, J. S., 11—2.
Riddell, J. M., 309—29.
Riddell, W. S., 263—3.
Riddle, Henry, 588—76.
Riddle, H. A., 222—4.
Rideout, N. D., 546—1.
Ridgedale, Thos., 580—31.
Ridgely, F. L., 256—2.
Ridgway, J. B., 817—5.
Ridgway, R. M., 237—31.
Riebenack, M., 587—184.
Rifenberick, H. J., 792—53.
Rigby, S. S., 169—17.
Riley, G. M. D., 618c—15.
Riley, J. G., 443—31.
Riley, Thomas, 422—19.
Riley, Wm., 138—28.
Rimer, J. W., 169—10.
Rinearson, W. C., 521—35.
Ringrose, J. A., 37—45
Ringwalt, T. L., 141—64.
Rintoul, Jas., 335—1; 336—1.
Riopel, L. J., 34—2.
Riordan, D. W., 162—2.
Ripley, C. C., 368—5.
Ripley, Daniel, 335, 336—12.
Ripley, E. P., 141—8.
Ripley, R. H., 455—8.
Ripple, B. F., 254—7.
Rising, C. L., 150—93.
Risley, C. W., 188—3.
Ristine, G. W., 521—10.
Ritchey, W. L., 222—7.
Ritchie, H. K., 309—15.
Ritchie, S. J., 117—1.
Ritchie, Wm., 678—3.
Riter, S. W., 793e—8.
Riter, W. W., 792b—2; 793e—2.
Riton, V. A., 150—90.
Rizer, M. S., 151—55.
Roach, M. C., 517—17.
Roach, P. K., 557—30.
Robb, C. E., 580—31.
Robb, F. F., 587—61.
Robb, N. D., 593—6.
Robb, W. D., 416a—23.
Robbins, F. G., 49b—16.
Roberts, C., 182—10.
Roberts, D. I., 588—68.
Roberts, D. C., 416c—7.
Roberts, Edward, Jr., 254—2.
Roberts, E. M., 23—6.
Roberts, F. C., 28—2.
Roberts, G. B., 587—1; 588—1; 588b—1; 589a—1; 589d—1.
Robert, George M., 587—169.
Roberts, G. W., 119—29.
Roberts, Herbert, 309—43; 309a—16; 309b—15.
Roberts, H. H., 78—5.
Roberts, James, 792c—13.
Roberts, J. E., 107—2.
Roberts, John, 348—24.
Roberts, J. P., 339—36.
Roberts, T. A., 587—141.
Roberts, Thos. B., 792c—14.
Roberts, T. G., 792d—10.
Roberts, W. G., 205—17.
Robertson, D. D., 443—34.
Robertson, J. G., 638—1.
Robertson, T., 782—11.
Robertson, W. D., 318—1.
Robertson, W. J., 122a—10.
Robie, Jonathan, 46—3.
Robinson, A. A., 24—3; 24e—6; 24f—7.
Robinson, A. G., 138—54.
Robinson, C. F., 476—8.
Robinson, C. J., 734B—2.
Robinson, Daniel, 785—1.
Robinson, D. B., 193—6.
Robinson, F., 421—23.
Robinson, G. A., 6—3.
Robinson, G. W., 102a—8.
Robinson, H. C., 67—27.
Robinson, H. M., 26f—7.
Robinson, J., 395—47; 707—1.
Robinson, J. G., 614—3.
Robinson, J. M., 708a—1; b—1; C—1; d—1.
Robinson, J. N., 580—31.
Robinson, L. A., 151c—14; 452—4.
Robinson, N., 367—9.
Robinson, S. L., 785—7.
Robinson, T. R., 8—4.
Robinson, Wm., 548—22.
Robinson, W. D., 151—79.
Robinson, W. L., 557—9.
Robinson, W. J., 559—4.
Robinson, W. M., 299—15.
Robitaille, L. A., 34—3.
Robitaille, T., 34—1.
Robkin, C., 439—13.
Robson, A. C., 395—49.
Robson, T. B., 416b—6.
Roche, D. H., 348a—6.
Rock, L. B., 150—50.
Rock, S. F., 228—4.
Rockafield, J. M., 198—11.
Rockfellow, W. E., 660—22.
Rockwell, C., 322—5; 525—11.
Rockwell, C. H., 166—12.
Rockwell, C. L., 441—3.
Rockwell, Geo., 441—4.
Rockwell, P., 463a—10.
Rockwell, P. A., 691—8.
Rockwell, W. H., 519—2.
Roedelheimer, A., 550—73.
Rodgers, J. A., 417—30.
Rodgers, M. M., 518—10.
Rodgers, T. A., Jr., 309—23.
Rodman, E. C., 726—4.
Roelker, H. G., 164—3.
Rogan, M., 640b—12; c—10.
Rogers, C. B., 141a—44.
Rogers, C. W., 688—2.
Rogers, D. M., 760—4.
Rogers, D. W., 760—1.
Rogers, E. P., 568—8.
Rogers, F., 141—11; 141—64.
Rogers, G. G., 463d—13.
Rogers, H. T., 193—10.
Rogers, J. H., Jr., 550—60.
Rogers, Jas., 263—5.
Rogers, John, J., 676—12.
Rogers, M. J., 463—15.
Rogers, M. M., 119—27.
Rogers, R. M., Jr., 141e—11; 141f—12—29.
Rogers, S. L., 298—16.
Rogers, Sam., 141a—46.
Rogers, M. H., 237—34.
Rogers, P. R., 419—12.
Rogers, U. B., 161—11.
Rogers, Wm., 119—2, 5.
Rogers, W. W., 119—12.
Rohrborgh, C. P., 181—7.
Rokusek, A., 183—6.
Rollins, G. M., 653—3.
Rolston, W. C., 715—17.
Romeyn, John C., 747—3.
Rommel, G., 846—6.
Roney, W. S., 803—14.
Roper, John, 237—36.
Root, F. C., 517a—6.
Root, N. D., 550—21.
Root, Russell C., 56—1.
Root, Logan H., 272—3.
Roquemore, Jno. D., 474—4.
Rose, A. C., 37—36.
Rose, Anthony, 280—19.
Rose, C. C., 233—39.
Rose, G. A., 141—39.
Rose, G. M., 105—7.
Rose, J. E., 177—10.
Rose, John M., 105—2.
Rose, M. W., 161—9.
Rose, W. J., 587—156.
Rosenfield, J., 569a—2.
Rosevear, W. H., 309—58.
Ross, F. B., 150—97.
Ross, G. H., 141—9.
Ross, J., 280—23.
Ross, J. A., 238—20.
Ross, J. F., 74—7; 75—5.
Ross, J. G., 639—1.
Ross, J. J., 269—2, 3.
Ross, W. A., 287—4.
Ross, W. H., 463d—48.
Rosser, Walter, 491—12.
Rossiter, A., 310—9.
Rossiter, E. V. W., 276b—3; 517—7.
Rothe, C., 341—8.
Rough, Sol., 674—5.
Rough, W. R., 674—1.
Roughins, G. J., 269—7.
Roundy, R. W., 208—4.
Rowan, M., 640c—8.
Rowe, Edward, 728—3.
Rowe, H. S., 571—7.
Rowland, E., 416—13.
Royall, W. N., 26d—4.
Royce, C. N., 587—41.
Royce, H. F., 153—6.
Royer, O. H., 715—6.
Roys, L. E., 122b—6.
Rubidge, H. A., 143—3.
Rudden, Thomas, 412—5.
Rue, W. C., 742—8.
Rugg, Geo. F., 416d—6.
Ruggles, O. W., 443—7.
Rummele, E. H., 449—18.
Rummings, J., 151—79.
Rumel, J. H., Jr., 793d—16.
Rumrill, J. A., 65—3.
Rumsey, S. B., 8—9.
Rupley, S. K., 517—34.
Rupp, Geo. W., 855—7.
Rupp, Samuel, 855—6.
Rush, Dennis, 255—7.
Rusling, G. L., 533—8.
Russel, Hy., 443—22.
Russell, A., 89—31.
Russell, Chas., 20c—4.
Russell, C. E., 339—71.
Russell, E. L., 468—5.
Russell, F. D., 688—9.
Russell, G. H., 49c—2, 7.
Russell, G. S., 49c—3, 8, 15.
Russell, G. S., 89—13.
Russell, G. W., 589i—7.
Russell, H. A., 673—6; 812—41.
Russell, H. V., 557—27.
Russell, J. K., 587—50.
Russell, J. W., 421—21.
Russell, Lawrence, 15—1.
Russell, W. A., 137—1.
Russell, W. F., 543—6.

Russell, W. H., 65—11.
Russell, W. H., Jr., 65—20.
Russell, W. J., 588a—17.
Rust, E., 450a—1.
Rustine, D., 248—16.
Ruth, J. G., 589b—19.
Ruth, J. S., 589a—7; 589c—5.
Rutherford, E. R., 734a—65.
Rutherford, J. A., 645e—3.
Rutherford, W. M., 283—15.
Ruthven, Alex., 280—22.
Rutter, E J., 833—2.
Rutter, H. P., 587—20.
Rutter, N. S., 521—21.
Ryan, D., 355—2; 521a—26.
Ryan, Ed., 141a—46.
Ryan, J., 143—15.
Ryan, J. C., 792d—6.
Ryan, J. J., 734C—11; C—a—16; d—16; f—15.
Ryan, Jno. T., 10—2.
Ryan, Martin, 666—15.
Ryan, Matt., 416b—7.
Ryan, P. O., 736—5.
Ryan, R. X., 640—10.
Ryder, E. L., 417—15.

S.

Sabine, A. T., 516—45.
Sackett, Ed. J., 65—20.
Sadd, E. A., 141—14; 141c—11; 141d—10; 141e—16; 141f—18.
Sadler, Geo. S., 646e—9.
Sage, Russell, 116—3; 598—2.
Sage, W. M., 153—12.
Sagee, J. R, 587—18.
Saint, J. J., 37c—18.
St. George, W. S., 640—17.
St. John, E., 153—5.
Saland, A., 141—39.
Salisbury, A. C., 233—22.
Salsbury, J. C., 141a—39.
Sallacek, Frank, 115—7.
Salmon, H. W., 370—5.
Saltmarsh, E. O., 416—43; 593—5.
Sample, N. W., 237—13.
Sampson, A. DeW., 119—28.
Sampson, A. D. W., 735—16.
Sampson, C. E., 763—4.
Sams, Dade, 416c—7.
Sams, J. A., 416c—8.
Sanaman, J. H., 416a—6.
Sanborn, C. A., 255—5; 803—26.
Sanborn, D. W., 68—12.
Sanborn, F. S., 279—26.
Sanborn, G. H., 120—18.
Sanborn, J. C., 563—14.
Sanborn, J. M., 395—13.
Sanborn, J. P., 622—1.
Sanborn, J. W., 68—13.
Sanborn, S., 151—7.
Sanborn, W. D., 141—63; 141a—43; 141e—41.
Sanders, C. C., 292—2.
Sanders, Z., 49e—32.
Sanderson, Geo. A., 792—47.
Sandry, P., 191—5.
Sands, E., 67—10.
Sands, Geo. L., 24—35; 29—4.
Sands, J. H., 540—7.
Sanford, J. W., 587—108.
Sanford, W. C., 619—6.
Sangston, J. A., 339—75.
San Roman, F., 649—1.
Sargent, B. G., 238—12.
Sargent, F. M., 563—22.
Sargent, F. W., 141—34.
Sargent, M. L., 370—3; 371—12.
Sargent, S. W., 288—1.
Sargent, T. D., 792a—5.
Sargent, W. P., 812—42.
Satterlee, C. E., 771—7.
Satterwhite, E. W., 468—28.
Saulter, J., 49e—21.
Saunders, C. W., 217—8.
Saunders, M., 698—5.
Saunders, T., 237—39.
Saussy, G. N., 722—5.
Savage, P., 815—7.
Savage, W. P., 463e—19.
Saville, B. B., 470—2.
Saville, E. H., 506—4.
Savin, John M., 641—4.
Sawyer, C. H., 41—6.
Sawyer, Ed., 692—3; a—3.
Sawyer, Edward, 758—5.
Sawyer, F. E., 141b, c—14.
Sawyer, J. M., 521—12.
Sawyer, L. N., 550—77.
Sawyers, H., 136—7.
Sayer, John, 402—4, 9.
Sayles, Fred. C., 481—3.
Sayles, W. F., 481—1.
Savre, R. H., 404a—3; 404c—3.
Sayre, Wm. H., 89—2.
Scaggs, W. H., 760—2.
Scanlan, D., 498—8.
Scanlan, R., 498—7.
Scanlan, T. R., 198—12.
Scanlin, Jno., 151—79.
Schaap, C. W., 182—7.
Schaeffer, G. A., 601—10; 603—32.
Schanck, S. M., 592—2
Schaurte, F. W., 676—15.
Schell, E., 138—34.
Schenck, G. L., 169—11.
Schermerhorn, A. D., 792a—13.
Schermerhorn, F. D., 641—5.
Schermerhorn, J. P., 792d—6.
Schermerhorn, R., 634—4.
Schiff, C., 640a—1; b—1; c—1; d—2; e—1.
Schlacks, Henry, 339—20.
Schlittler, R. F., 700—7.
Schmidt, E., 180—2
Schmidt, E. P., 412a—3.
Schnably, J. H, 587—75.
Schneider, J. E., 773—2.
Schoenberger, W. H., 262—1.
Schofield, J., 803—27.
Schofield, Jos., 525—7.
Schofield, Lane B., 777—7.
Schoolfield, J. H., 225—1.
Schrantz, P., 571—27.
Schreiber, C., 102—4.
Schreiber, W. C., 548—8.
Schriever, J. G., 734 C—1; C—a—4; C—b—4; C—c—2; C—d—6; C—e—8; C—f—8.
Schroeder, F. A., 709—1.
Schultz, C. J., 483—1.
Schultz, J. D., 521—51; 521c—5.
Schultz, R. D., 485—3.
Schultze, J. S., 289—1; 502, 503—1.
Schulze, Paul, 550—85.
Schumacher, J. M., 361—1.
Schwan, L. M., 257—5; 257a—4; 393—3; 772—4.
Schwartz, A. M., 49b—32.
Schwartz, J. C., 493—2.
Schwartz, J. E., 611—1.
Schwartze, F. W., 178—1.
Schwartze, M., 178—2.
Schwarz, Fred. W., 587—8.
Schweibinz, M., 729—1.
Schweibinz, P. H., 729—3.
Scobell, J. S., 587—146.
Scofield, C. W., 474—1.
Scofield, J. M., 737—3; 745—4.
Scott, A. W., 780—6; 779—3.
Scott, C. N., 573—1.
Scott, C. N., 626—5.
Scott, C. W., 792—39, 46.
Scott, Fred. R., 26f—1.
Scott, H. B., 141h—3.
Scott, H. D., 822a—1.
Scott, Horace, 55—2.
Scott, J, 587—186.
Scott, J., 700—6.
Scott, John, 8—1—3.
Scott, J. G., 639—3.
Scott, J. H., 24d—7; 24e—7; 494—5.
Scott, J. M., 9—2.
Scott, S. G., 588a—18.
Scott, Thos. J., 694—4.
Scott, Thos. K., 13—4.
Scott, W. A., 151—32.
Scott, W. B., 237—37; 603—23.
Scott, W. T., Jr., 429—5.
Scovill, M. H., 37—61.
Scranton, E E., 392—5.
Scriven, W. H., 288—40.
Scull, C. O., 37—14.
Scullin, John, 256—1; 840—1.
Seabold, Lewis, 614—20.
Seabury, C. W., 325—2.
Seale, J. N., 468—12.
Sealy, Geo., 314—1.
Searegeant, L. J., 309—2; 309a—2.
Searles, James, 525—19.
Searles, J. G., 589a—12; 589c—6.
Sears, T. H., 231—7.
Sears, W. B., 280—12.
Second National Bank, 524a—12.
Secor, David, 148—1.
Sedgwick, C. S., 37—78.
Seef, G. F., 463d—18.
Seef, Martin, 463d—46.
Seeley, A. F., 302, 302a—7.
Seeley, E. J., 237—22.
Seely, A., 500—3.
Seibert, F. A., 233—38.
Seiders, H., 589b—24.
Seiger, Aug., 716—12.
Seipt, A. H., 603a—1.
Selby, C., 237—37.
Selby, W. H., 676—16.
Selden, C., 37—80.
Selfridge, Wm., 231—2.
Seligman, B., 772—2.
Sells, E. W., 569—7; 569a—6; 569b—7.
Semple, F. B., 141a—45.
Semple, Wm., 188—1.
Senft, Geo., 405—4.
Senn, J., 49e—48.
Sergeant, C. E., 645—54.
Severance, C. E., 67—25.
Serpell, G. M., 436—2.
Severight, James, 638—9.
Sewall, Arthur, 421—1.
Sewall, E. Q., 150—20.
Sewell, R. E., 416—15.
Sewell, W. J., 589d—2; 589e—2.
Seymour, Chas., 350—7.
Seymour, E. J., 449—11.
Seymour, Geo. F. 67—12.
Seymour, J. W., 339—38.
Seymour, M. T., 198—18.
Seymour, S. L., 587—158; 589a—13.
Seymour, W. E., 463b—12.
Shaler, J. R., 521a—1.
Shallcross, I., 665—5.
Shanks, G., 736—6.
Shanks, J. W., 122b—7.
Shanly, Walter 101—7.
Sharkey, P., 141f—31.
Sharman, C. H., 341—4.
Sharp, A. A., 419—11.
Sharp, D. W., 507—9.
Sharp, James, 793d—5.
Sharp, John, 793d—2.
Sharp, J. H., 708b—2.
Sharp, T. R., 179—1; 224—2; 367—4.
Sharpe, R. G., 182—11.
Shattuc, S. M., 557—38.
Shattuc, W. B., 557—5.
Shattuck, I. H., 150—38.
Shaughnessy, T. G., 103—6; 353—2.
Shaunnessy, J., 463b—12.
Shaver, D. O., 587—41.
Shaw, E. H., 550—48.
Shaw, G., 278—3.
Shaw, G. R., 571—17.
Shaw, H., 521d—3.
Shaw, J. B., 521a—6.
Shaw, I. C., 734a—44.
Shaw, James C., 119—18.
Shaw, Thos. P., 421—9.
Shaw, T. L., 708b—12.
Shaw, W. G., 57—7.
Shaw, I. W., 198—1.
Shaw, W. P., 198—3.
Shaw, W. N., 734e—5; f—5.
Shay, F., 151—80.
Shea, M., 640b—11.
Sheahan, J. C., 24—36.
Sheahan, P., 463a—11.
Sheardown, W. B., 450—9.
Shearman, A G., 141—65.
Sheedy, P., 734a—63.
Sheehan, Dennis, 116—23.
Sheehan, J., 256—8.
Sheehy, C., 812—30.
Sheets, J. M., 425—12.
Sheets, C. H., 138—17.
Shelawa, C., 334—8.
Shelby, D., 419—20.
Shelby, P. P., 792—30; 793f—7.
Shelby, W. R., 588a—2.
Sheldon, A. C., 140—14.
Sheldon, C. F., 469—2.
Sheldon, E. C., 49a—11.
Sheldon, F. B., 198—19, 24.
Sheldon, Geo. R., 169—2.
Sheldon, J. W., 587—130.
Sheldon, L. A., 771—1.
Sheldon, Theo., 213—4.
Sheldon, W. C., 1—3.
Shellman, W. F., 119—7; a—7; b—6; c—7; d—5.
Shelton, Charles, 507—7.
Shepard, G. E., 67—14.
Shepard, C. M., 468—16.
Shepard, O. M., 525—2.
Shepard, Walter, 65—12.
Shepherd, C. R., 518—20.
Shepherd, H. L., 656—2.
Shepherd, R. W., 109—1.
Shepherd, R. W., Jr., 109—2.
Shepherd, S., 402—2.

Sheppard, Frank L., 587—40.
Sheppard, J. A., 153—32.
Sherburne, A., 734a—55.
Sherer, S. L., 308—4.
Sherman, A. S., 515—2.
Sherman, G. R., 390—1.
Sherman, H. C., 725—2.
Sherman, Hoyt, Jr., 792—39.
Sherman, W. J., 314—10.
Sherman, Z. C., 217—9.
Sherry, C., 439—15.
Sherwin, N. B., 771—17.
Sherwin, W. F., 850—31.
Sherwood, A. C. F., 669a—3.
Sherwood, H., 276b—1.
Sherwood, H. B., 489—7.
Sherwood, H. S., 648—5.
Sherwood, J. W., 168—3.
Shickle, F., 694—2.
Shields, H. A., 416b—7.
Shields, J., 443—50; 463b—30.
Shields, John, 451—8.
Shields, C., 692—29.
Shillaber, C. F., 204—4; 20B—3.
Shilleto, J., 139—11.
Shine, Daniel, 86—17.
Shinn, J. A., 524—9.
Shinn, W. P., 524—2.
Shipley, F. B., 279—20.
Shipman, G. W., 463e—14.
Shipman, M., 792—53.
Shirk, H. C., 210—7.
Shirley, W. C., 330—2.
Shirrefs, Rob. A., 587—97.
Shoemaker, E. H., 543—5.
Shoemaker, J. K., 587—169.
Shone, G. H., 237—35.
Shone, Jas., 463b—15.
Shone, Samuel, 463b—42.
Shonts, T. P., 349—5.
Shook, J. M., 463b—17.
Shore, W. M., 141—65.
Short, F. H., 166—6.
Short, W. M., 475—2.
Shortell, T. L., 550—65.
Shorties, Thomas, 357—3.
Shotwell, W. J., 812—38.
Shourds, C. A., 676—22.
Showell, L., 839—1.
Shroder, A., 150—88.
Shryock, G. M., 141e—23.
Shuffelbarger, H., 792e—6.
Shumway, P. B., 363—1.
Shurter, E. B., 846—2.
Shute, H. L., 454—10; 456—9.
Sibley, E. H., 175—3.
Sibley, W. M., 175—5.
Sidle, J. K., 453—3.
Siedler, Chas., 387—1.
Sigel, Chas., 777—3.
Siles, John, 736—14
Simes, Wm., 428—2; 428a—1.
Simmons, A. M., 162—4.
Simmons, B. F., 594—1.
Simmons, C., 102b—8.
Simmons, C. E., 151—35
Simmons, H. W., 594—2.
Simmons, J. W., 196—11.
Simmons, T. H., 116—10.
Simms, N. A., 789—5.
Simons, W. F., 67—16.
Simpson, A., 339—33.
Simpson, A. F., 353—3.
Simpson, C. D., 24b—1.
Simpson, G. E., 150—39.
Simpson, G. W., 270—6.
Simpson, J., 141—65.
Simpson, Jno., Jr., 413—5.
Simpson, R., 771—35.
Simpson, Robert, 173—2.
Simpson, W. T., 173—3.
Sims, A. W., 254—4.
Sims, C. S., 587—14.
Sims, J. C., Jr., 587—11; 589h—2.
Sims, M. L., 645—32.
Sinclair, D., 102a—16.
Singleton, W. J., 103—31.
Sipp, B. F., 168—13.
Sisson, E. F., 24a—13.
Sitton, B. J., 715—15.
Siver, D. E., 208—5.
Sivewright, Jno., 108—3.
Skelmken, 141a—37.
Skinner, E. V., 103—39.
Skinner, J. R., 232—28.
Skinner, J. T., 756—1.
Skinner, O. B., 49a—2.
Slatsper, F., 588—18.
Slater, Daniel, 634—6.
Slater, F. A., 557—21.
Slater, J. R., 395—22.
Slayback, C. A., 274—8.
Sledge, P. R., 30—3.
Sleight, H. G., 803—19.
Slingland, N., 332—9.
Sloan, James, 143—14.
Sloan, John, 348—22.
Sloan, R. I., 422—6.
Sloan, Samuel, 233—1; 310—1.
Sloan, W. S., 233—10.
Sluser, J. V., 416—24.
Small, A., 728—2.
Small, W. T., 550—12.
Smalley, G. N., 228—1.
Smart, C., 519—13.
Smart, C. E., 443—25.
Smee, James, 416b—7.
Smee, J. H., 415—23.
Smiley, R. E., 660—5.
Smith, A. A., 517a—16.
Smith, A. B., 141a—18.
Smith, A. D., 614—8.
Smith, Andrew, 29—22.
Smith, Angus, 450a—2.
Smith, A. J., 395—10.
Smith, A. T., 66—4.
Smith, B., 734a—30.
Smith, B. W., 415—15.
Smith, C. F., 672—9.
Smith, C. H., 272—7.
Smith, C. J., 571—3.
Smith, C. J., 792e—10.
Smith, C. M., 734C—c—16.
Smith, C. W., 24—2; 24d—2; 24e—2; 24f—5; 24g—5; 24h—5; 368—2.
Smith, D. B., 141a—36.
Smith, D. K., 368—7.
Smith, D. S. H., 463—3; 463a—7; 463e—4; 463f—3; 463g—3; 463h—4; 463i—4.
Smith, E. C., 122a—3.
Smith, E. D., 37—69.
Smith, Edmund, 587—3; 589f—1; 589g—1.
Smith, E. F., 603—41.
Smith, E. H., 550—67.
Smith, Elijah, 286, 286a—1.
Smith, Elijah, 569—1; 569b—1; 571—1.
Smith, E. R., 771—22.
Smith, E. T., 516—19.
Smith, F. C., 141—31.
Smith, F. E., 402—6.
Smith, Francis, 66—2.
Smith, Frank, 548—1.
Smith, F. S., 388—2.
Smith, G. C., 141—25.
Smith, G. C., 463a—6; 682—3; 774—2.
Smith, Geo., 269—6.
Smith, Geo., 533—11.
Smith, Geo. B., 270—2; 652—2.
Smith, Geo. H., 153—11.
Smith, Geo. H., Jr., 691—12.
Smith, G. W., 393—8.
Smith, H. M., 412—8.
Smith, H. B., Jr., 463—54; 771—35.
Smith, Henry, 778—12.
Smith, Hiram, 635—6.
Smith, Irwin, 416a—7.
Smith, J., 416d—19.
Smith, J., Jr., 691—3.
Smith, J. A., 658—3.
Smith, J. A., 257—31.
Smith, James, 812—6.
Smith, J. B., 270—1.
Smith, J. C., 646d—3.
Smith, J. C. B., 646c—3.
Smith, J. E., 432—1; 469—4.
Smith, J. E., 518—76.
Smith, J. G., 821a—1.
Smith, J. H., 588—71; 630—4.
Smith, J. L., 589b—17.
Smith, John, 74—11; 276—17
Smith, John M., 587—148.
Smith, J. S., 792—53.
Smith, J. V., 37—24.
Smith, J. W., 669—7; 774—1.
Smith, Kirby, 199—1.
Smith, L. F., 151—78.
Smith, Lucius, 517a—12; 814—7.
Smith, M. A., 267—5.
Smith, M. H., 416—2; 575—1; 593—1.
Smith, M. S., 246—2.
Smith, N. H., 540—22.
Smith, N. T., 734—9; 734B—a—5.
Smith, Orland, 37—4; 177—1; 196—1.
Smith, Peter, 517—45.
Smith, P. W., 286, 286a—2; 569—3.
Smith, R., 169—5.
Smith, R. B., 618c—3.
Smith, R. E., 540—23.
Smith, R. F., 588—23.
Smith, R. H., 103—16; 106—10.
Smith, R. M., 141—65.
Smith, Rufus, 69a—5.
Smith, R. W., 587—15.
Smith, S., 589a—39.
Smith, Samuel, 812—7.
Smith, S. C., 238—13.
Smith, S. P., 808a—3.
Smith, S. V., 521a—8.
Smith, T. A., 37—45.
Smith, W., 141a—36; 151—78.
Smith, W. A., 360—15.
Smith, W. B., 404a—16.
Smith, W. B., 640e—8.
Smith, W. C., 459—1.
Smith, W. E., 353—7; 692—5.
Smith, W. F., 309a—13; 309b—11; 332—11.
Smith, Wm., 68—14.
Smith, Wm., 151—72.
Smith, Wm., 708c—4; d—3.
Smith, W. M., 801—9.
Smith, W. T., 459—3.
Smith, Z. H., 645—29.
Smurr, C. F., 734a—14.
Smyser, E. G., 855—2.
Smyth, Fred., 203—1.
Smyth, W. O., 395—54.
Snavely, F. M., 151—99.
Snead, Rob. B., 644—6.
Snedecker, Elbert, 79—2.
Snedeker, C. H., 289—5.
Sneden, W. S., 360—10.
Snow, Jos. W., 517—26.
Snow S. W., 810—20.
Snow, W. B., 131—2; 339—51.
Snowball, J. B., 131—3; 551—4.
Snowden, R. P., 587—114
Snyder, A., 587—53.
Snyder, E., 49b—18.
Snyder, H., 151—79.
Snyder, H. A., 603—27.
Snyder, J. A., 449—23.
Snyder, W., 314—3, 9.
Snyder, W. F., 49b—19; 78—2.
Snyder, W. H., 37—75.
Somers, N. A., 834—11.
Somerville, R., 138—52.
Sorensen, O. F., 701—7.
Sortwell, D. R., 476—1.
Soule, A. L., 65—15.
Soule, E. O., 89—20.
Soule, R. H., 521—7.
Southard, J. A., 122b—2.
Southard, F. H., 485—2.
Southers, P., 20c—3.
Sowers, W. J., 540—24.
Spafford, H. W., 57—6.
Spafford, L. K., 370—16.
Spain, E. B., 151—99.
Spalding, E. C., 658—5; 820—11.
Spalding, T. C., 339—56.
Spangler, S. H., 463e—15.
Spaulding, C. F., 122b—3.
Spaulding, C. M., 90—2
Spaulding, L. J., 279—21.
Spaulding, W. P., 550—47.
Speer, J. T., 242—11.
Speese, A. J., 603—30.
Speirs, W. S., 461—3.
Spellman, M. R., 513—3.
Spencer, B. W., 784—1.
Spencer, C. W., 103—23.
Spencer, E. D., 468—23.
Spencer, H., 151c—43.
Spencer, H. B., 103—29.
Spencer, Jno. C., 450a—5.
Spencer, J. C., 450—2.
Spencer, L. E., 360—14.
Spencer, M. C., 588—15.
Spencer, Samuel, 37—2; 37a—2; 37f—1; 431—2.
Spencer, T. S., 670—4.
Sperry, J. A., 307—1.
Spicer, W. J., 309a—5; 309b—4.
Spittle, J., 49e—26.
Spofford, R. S., 734C—a—11.
Spoor, N. T., 24a—24.
Sprague, C., 565—5.
Sprague, H. C., 370—11.
Sprague, J. F., 471—3.
Sprague, J. W., 565—1.
Sprague, O., 550—32.
Spriggs, G. B., 518—6.
Spriggs, W. O., 744—8.
Springer, J. D., 455—10.
Sproule, Wm., 734a—16.
Sproull, J. J., 339—58.
Squire, E. G., 141—36.
Squires, C. P., 93—2.
Squires, Chas. B., 24a—10.
Squire, W. L., 525—4.
Staats, R. P., 521—44.
Stackpole, J. L., 428—1.
Staehle, G. H., 691—14.
Stafford, A. V., 20—1.

Stafford, M. A., 116—21.
Stafford, M., 151a, b—29.
Stafford, P., 151a, b—29.
Stager, O. W., 623—39.
Stahlman, E. B., 416—4; 492—2.
Stallard, D. P., 225—4.
Stalliker, I., 489c—9.
Standish, E. R., 243—6.
Stanford, Leland, 734—1; B—b—1; 800—2.
Stanley, B. F., 540—24.
Stanley, Frank, 349—10.
Stanley, W. H., 540—24.
Stansbury, C. M., 488—5.
Stanton, C. M., 557—24.
Stanwood, A. G., 141f—5.
Stanwood, H. P., 151—98.
Stapf, F. W., 96—10.
Staples, M. E., 521—26.
Staples, W. M., 495—7.
Stark, J., Jr., 50—11.
Stark, W. J., 49f—17.
Starr, A. B., 588—26.
Starr, W. H., 521—59.
Starr, W. W., 119c—5.
Starring, M. B., 141h—10.
Stayner, G. H., 166—1; 451—1.
Stearn, Moses H., 103—19.
Stearns, G. H., 339—43.
Stearns, Franklin, 77—2.
Stearns, W. H., 206—9.
Stearns, W. W., 120—9.
Stebbins, C. S., 792—35; 793f—6.
Stebbins, H. S., 46—2.
Stedman, A. W., 404—8.
Stedwell, C. J., 49d—2.
Steel, Wm., 543—2.
Steele, A., 638—6.
Steele, H. R., 494—1.
Steele, S. A., 181—8.
Steen & Gregory, 810—36.
Steere, J. M., 314—7.
Steeves, Joseph, 265—4.
Stein, Charles, 395—75.
Steinbrenner, A., 588—76.
Steinbrenner, A. G., 49e—4.
Stennett, W. H., 151—5.
Stephen, Geo., 103—1.
Stephens, A. L., 667—1.
Stephens, Geo., 589b—7.
Stephens, H., Jr., 667—2.
Sterling, E. J., 592—3.
Sterling, I. J. M., 161—16.
Stettler, J. H., 24—37.
Stevens, A. J., 734a—23.
Stevens, Andrew, 767—3.
Stevens, Chas. E., 65—3; 734a—27.
Stevens, D. K., 183—4.
Stevens, F. S., 267—10.
Stevens, G. W., 557—7.
Stevens, G. W., 395—24
Stevens, G. W., 810—9.
Stevens, H. H., 143—1.
Stevens, J. B., 119—30.
Stevens, J. E., 150—89.
Stevens, R. S., 582—1.
Stevens, Wm. H., 119—19; 119a—6.
Stevenson, A. M., 800—1.
Stevenson, A. V., 800—5.
Stevenson, E. H., 734C—14.
Stevenson, G. B., 800—6.
Stevenson, H., 376—2.
Stevenson, Jas., 309—24.
Stevenson, S. L., 76—4.
Stevenson, Samuel, 166—11.
Stevenson, V. K., 376—12.
Stevenson, W., 404b—5; 404c—6; 463d—24.
Stevenson, W. H., 532—1.
Stevenson, W. R., 86—15.
Steward, C. P., 698—4.
Stewart, A. C., 676—5.
Stewart, A. J., 286, 286a—12.
Stewart, A. J. H., 108—5.
Stewart, A. M., 49b—9.
Stewart, Chas., 808—14.
Stewart, F. N., 151—74.
Stewart, F. P., 105—11.
Stewart, J. G., 587—41.
Stewart, J. H., 177—5.
Stewart, John, 500—8.
Stewart, John A., 850—1.
Stewart, Louis, 416—14.
Stewart, O., 279—14.
Stewart, O. E., 141—56.
Stewart, R., 137—3.
Stewart, T., 49e—27.
Stewart, W., 288—49.
Stewart, W. H., 488—58.
Stickney, A. B., 116—2; 458—1; 458a—3.
Stickney, Theo., 89—12.
Stiff, C., 309—25.
Stiles, A. C., 24—34.
Stiles, H. A., 382—1; 397—3; 856—2.
Stiles, Wm. C., Jr., 397—1.
Stillinger, David, 372—7.
Stilson, F. W., 161—13.
Stimson, A. M., 168—15.
Stimson, W. B., 588a—19.
Stinard, F. A., 521b—7.
Stinson, I. D., 716—5; 829—3.
Stith, W. C., 463—6.
Stivers, Aaron, 245—5.
Stivers, Henry, 245—4.
Stockdale, F. S., 734C—b—2.
Stockhouse, R., 655—4.
Stocklager, S. M., 418—2.
Stockton, John, 669—2.
Stokes, A. L., 550—78.
Stokes, G. W., 159—3.
Stokes, J. W., 557—26.
Stone, A. B., 712—1.
Stone, A. L., 205—13.
Stone, Chas. H., 619—3.
Stone, E. F., 700—3.
Stone, E. T., 463a—33.
Stone, Geo. A., 800—4.
Stone, Geo. C., 251—2.
Stone, H. B., 141—6.
Stone, H. H., 137—6.
Stone, S. W., 177—11.
Stone, W., 69a—3.
Stone, W. A., 415—12.
Stone, W. L., 150—37.
Stoneman, J., 124—3.
Storer, Geo. R., 835—7.
Storer, G. W., 67—6.
Storey, S. R., 214—4.
Storm, Lawrence, 24e—12.
Storms, A., 395—69.
Storrs, Geo., 395—66.
Stoughton, H. R., 713—3.
Stout, 587—124
Stout, J. H., 37—47.
Stover, C. W., 24a—22.
Stowell, B. F., 502, 503—6.
Stowell, W. A., 67—18, 20.
Stowell, W. A., 476—4.
Stowits, C. D. R., 723—4.
Strahorn, John C., 792a—16.
Strange, Walter M., 767—5.
Strattan, G. W., 587—41.
Stratten, D. H., 521c—9.
Strauss, A., 404b—9.
Straw, W. R., 822—7.
Streator, W. S., 186—2.
Street, A. W., 443—11.
Street, W. A., 243—3.
Street, W. E., 270—3.
Strickland, A. J., 19—10.
Strode, J., 589—18.
Strong, C. E., 151—44.
Strong, Geo., 287—7.
Strong, H. D., 143—21.
Strong, J. J., 550—56.
Strong, J. W., 232—17.
Strong, W. B., 24—1; 24d—1; 24e—1; 24g—1; 24h—2; 29—3.
Strong & Mosman, 141e—31; 141f—17.
Stroud, John P., 8—13.
Strout, A. A., 67—4; 309—20.
Strunk, W. P., 138—39.
Stryker, T. F., 504—3.
Stuart, John, 548—2.
Stuart, John, 395—61.
Stubbs, J. C., 734—14.
Stubbs, L. A., 640e—6.
Stubbs, P. H., 288—2.
Studer, A., 463c—10.
Sturgeon, W., 736—18.
Sturges, Theo., 310—3.
Sturgis, C. I., 141—32.
Sturgis, D. L., 792—53.
Sturgis, J. H., Jr., 141c—4.
Stutts, H. P., 485—1.
Sturtevant, A. S., 68—16.
Stuyvesant, Geo. W., 42—12.
Stuyvesant, R., 787—2.
Sullivan, A. W., 339—37.
Sullivan, C., 837—2.
Sullivan, D. A. 734C—12.
Sullivan, E., 455—25.
Sullivan, F., 393—33.
Sullivan, G. T., 49b—5, 26.
Sullivan, J., 141a—46.
Sullivan, J. H., 370c—4; 371—11.
Sullivan, John, 141—39.
Sullivan, John, 854—6.
Sullivan, M., 89—31.
Sullivan, M. A., 561—9.
Sullivan, M., 734a—27.
Sullivan, R., 260—3, 7; 463h—10.
Sullivan, T., 138—34.
Sullivan, T., 166—21.
Sully, Alfred, 348—3; 348a—1; 598—6; 645—1; 646a—1.
Sully, R. M., 26e—3; 26f—3.
Sully, W., 348d—3, 12.
Sult, S., 517—46.
Summerfield, E., 375—6.
Summersett, W. B., 708b—11.
Sumner, A. W., 589a—16; 589c—10.
Super, P., 603a—4.
Supplee, Jesse, 587—148.
Sutherland, A. M., 151—79.
Sutherland, D. S., 443—38.
Sutherland, K., 848—5.
Sutherland, R. D., 71—4.
Sutton, C. S., 154—5.
Sutton, F. W., 363—5.
Sutton, Thos., 463b—12.
Sutton, Wm., 280—25.
Swan, Geo., 793d—4.
Swanson, A. H., 335, 336—9; 336a—2.
Swartz, J. S., 207—4.
Sweeney, D., 237—37.
Sweeney, J., 237—36.
Sweeney, John, 508—6.
Sweeney, M., 463e—12.
Sweeney, M., 468—8.
Sweet, A. P., 248—20.
Sweet, B. W., 435—2.
Sweet, Don A., 24—9; 24f—16.
Sweet, G. J., 850—14.
Sweet, Jno., 435—1.
Sweet, S., 819—3.
Sweet, S. B., 393—30.
Sweet, W. J., 435—3.
Sweetapple, H., 567—3.
Sweigard, I. A., 598—12.
Swenson, E. P., 696—2.
Swett, Geo. W., 103—14.
Swett, L. J., 122a—14.
Swift, A. J., 232—18.
Swift, A. R., 153—24.
Swift, Edward, 812—34.
Swift, J., 384—6.
Swineford, C. A., 151—59.
Swinehart, Robt., 167—3.
Swinyard, Thos., 526—3.
Swoope, B. R., 618d—5.
Swords, E. J., 141e—10; 141f—11; 141h—7.
Sykes, M. L., 151—2; 151a, b—2; 151c—2.
Symington, John, 772—3.
Symon, Robt. R., 24e—3.
Symons, J., 151—68.

T.

Tabberner, W. W., 450—15.
Taber, W. G., 524—32.
Tabler, M., 742—166.
Tack, A. A., 550—68.
Tackard, L., 517—45.
Tacon, Henry, 468—2.
Taft, Wm. H., 65—21.
Taggart, T., 164—5.
Taker, F. A., 463b—47.
Talbott, H. E., 170—6.
Talcott, T. M. R., 468—2.
Talliaferro, A. H., 467—4.
Tallman, W. H., 614—18.
Talmadge, H. P., 735—1.
Talmage, A. A., 812—2.
Tambrill, R. A., 274b—4.
Tandy, Thomas, 309—11.
Tanner, A. P., 24a—29.
Tanner, F. W., 463a—38; 463c—14.
Tapley, D., 500—10.
Tappan, Wallace, 756—2.
Tapping, F. C., 141—63.
Tarbox, F. O., 449—24.
Tarver, M. C., 119—30.
Tatem, H. H., 640b—2.
Tatgenhorst, C., 518—32.
Tator, J., 517—46.
Tator, W. E., 151a, b—35.
Tatum, Herbert, 309—61.
Taubken, J., 166—24.
Taylor, A. J., 150—89; 150—97.
Taylor, Alfred, 24—34.
Taylor, A. M., 567—2.
Taylor, B., 792c—8.
Taylor, B. W., 588—37.
Taylor, C. A., 647—5.
Taylor, E. B., 588—42.
Taylor, E. H. C., 550—42.
Taylor, Edwin, 274a—1.
Taylor, F., 237—38.
Taylor, F. S., 537—2.
Taylor, G. M., 182—9.
Taylor, George, 102a—4.
Taylor, Geo. M., 587—175.
Taylor, Geo. W., 645—62.
Taylor, J. C., 187—3.

Taylor, J. G., 141a—6.
Taylor, J. G., 454—9; 456—8; 688—40.
Taylor, J. K., 67—21.
Taylor, J. L., 645—11.
Taylor, J. M., 150—93.
Taylor, J. P., 141a—46.
Taylor, Jacob, 28—7.
Taylor, J. H., 384—5.
Taylor, John, 404—1.
Taylor, John, 150—85; 150—87; 309—13.
Taylor, M. H., 568—17.
Taylor, Myron, 67—15.
Taylor, R. G., 74—2.
Taylor, R. W., 615—3.
Taylor, Thomas, 37—60.
Taylor, W., 589d—3; 589e—4.
Taylor, W. H., 537—1.
Taylor, W. J., 771—18.
Taylor, W. R., 603—2; 603—43.
Taylor, W. S., 103—4.
Teal, S. A., 151a, b—17.
Teasdale, T. W., 151c—9.
Tebbetts, J. M., 742—5.
Tebbetts, J. S., 792—41.
Tefft, J. L., 416a—22.
Telfer, J. C., 283—8.
Teller, G. D., 550—62.
Temple, Arthur, 153—16.
Temple, J. D., 291—7.
Temple, R. H., 378—7.
Temple, Thos., 710—1.
Templon, J. S., 715—18.
Tenbroeck, R., 141—67.
Tench, W. J., 672—12.
Tennell, T. H., 232—36.
Terbell, J. B., 276—8.
Terrell H. L., 257—6.
Terry, J. E., 834—16.
Teter, J., 517—46.
Thanes, C. L., 139—12.
Thatcher, T., 461—6; 461a—1.
Thatcher, T., 233—23.
Thatcher, Thomas, 123—1.
Thaw, W., 588—3.
Thayer, Darwin, 517b—4.
Thayer, D. J., 291—3.
Thayer, E. C., 137—2.
Thayer, F., 734a—58.
Thayer, Geo. C., 587—44.
Thayer, G. H., 151—34.
Thayer, J. D., 240—4; 563—22.
Thayer, J. O., 449—32.
Thayer, N., 161—1; 260—1.
Thelin, Wm. T., 37—16; 37a—5.
The Pacific Bank, 700—4.
Thierry, A., 183—7.
Thomas, A. D., 393—5.
Thomas, A. J., 96—1.
Thomas, B., 521—8.
Thomas, C. F., 257—26; 257—18.
Thomas, C. S., 587—104.
Thomas, E. B., 645—7.
Thomas, G. H., 326—3.
Thomas, G. K., 255—6.
Thomas, G. L., 169—9.
Thomas, H. T., 246—8.
Thomas, J. L. A., 49b—20.
Thomas, J., 588—24.
Thomas, J. H., 282—8.
Thomas J. L., 463e—12.
Thomas, J. W., Jr. 491—8.
Thomas, J. W., 491—1.
Thomas, John, 113—6.
Thomas, R. P., 550—34.
Thomas, Samuel, 257—1; 358—1.
Thomas, Samuel, 428—3.
Thomas, W. H., 257—18.
Thompson, A., 666—4.
Thompson, A., 640b—6.
Thompson, C. A., 412—10.
Thompson, C. J., 49e—46.
Thompson, D. E., 141a 11.
Thompson, E. G., 792d—12.
Thompson, E. G., 45—4.
Thompson, Ed., 463d—19.
Thompson, Frank, 589a—2; 589b—2; 589c—2.
Thompson, Geo., 141e—25.
Thompson, G. H., 521—63.
Thompson, G. W., 559—1.
Thompson, H. C., 521a—5.
Thompson, H. F., 251—7.
Thompson, Jas., 151—78.
Thompson, J. & Co., 754—1.
Thompson, J. E., 698—2.
Thompson, J. H., 313—5.
Thompson, J. H., 120—13.
Thompson, J. I., 458—5.
Thompson, J. L., 237—38.
Thompson, J. M., 829—2.
Thompson, Jos. O., 587—105.
Thompson, J. S. B., 644—33.
Thompson, J. W., 26a—2; 26g, h—4.
Thompson, M. W., 587—52.
Thompson, S. B., 232—26.
Thompson, S. H., 463—36.
Thompson, S. S., 476—2; 771—35; 853—5.
Thompson, S. S., 452—5.
Thompson, W. A., 428—5.
Thompson, W. J., 45—2.
Thompson, W. W., 416—7.
Thomson, B. E., 463a—32.
Thomson, F. H., 119—10.
Thomson, Frank, 587—5.
Thoms, W. A., 688—16.
Thornburgh, W., 186—5.
Thorne, Charles, Jr., 699—6.
Thorne, J. W., 314—11.
Thorne, L. S., 770—13.
Thorne, S., 500—1.
Thornell, W. R., 569b—5, 6.
Thornton, S. W., 759—1.
Thorp, A. H., 834—10.
Thorp, C. N., 521a—29.
Thrall, B., 688—40.
Thrall, W. A., 151—12.
Thrower, J. R., 708d—7.
Thumser, Gus., 453d—30.
Thurber, Henry, 151a, b—42.
Thurmond, R. J., 718—3.
Thurston, A. B., 463b—10.
Thurston, J. C., 151c—40.
Thwing, J. E., 63—1.
Tiffany, B. M., 248—18.
Tiffin, E., 103—25.
Tiffin, W. R., 309—30.
Tillar, B. D., 27—1.
Tilley, G. D., 618—3.
Tillinghast, J., 517—5.
Tillotsen, F., 565—7.
Tilton, Asa, 415—23.
Tilton, G. W., 151—31.
Tilton, J. A., 827—3.
Timlin, D. J., 341—7.
Timpson, T. S., 49b—2.
Tinker, H. C., 666—10.
Tinker, S. B., 176—9.
Tinkham, E. W., 635—3.
Tinkham, Wm., 635—1.
Tinling, C. F. M., 151c—21.
Titus, C. T., 517—23.
Titus, G. W., 690—1.
Titus, J. F., 339—13.
Tod, J. Kennedy, 500—2.
Todd, Geo. E., 67—17.
Todd, Percy, R., 101—5.
Todd, Thomas, 703—6.
Tolman, W., 624—4.
Tomlinson, J. G., 640a—8.
Tomlinson, J. M., 495—4.
Tomlinson, R. V., 640a—2.
Tompson, E. H. C., 625—6.
Tompson, G. M., 67—23.
Toole, J., 436b—12.
Toombs, R., 150—36.
Toombs, Robert, 450—10.
Toombs, William, 792e—6.
Toomey, D., 524—31; 524a—11.
Toomey, M., 439—12.
Topping, C. E., 412—14.
Torrance, John, 274—9.
Torrent, John, 826—1.
Torrey, Benj. B., 69—2; 69a—2; 791—2.
Torrey, E. E., 443—26.
Torrey, T. F., 232—9.
Torricelli, A. H., 463—34; 771—35.
Tothill, F., 848—1.
Toucey, J. M., 517—10.
Touhy, P., 792d—2.
Tournier, E. T., 516—12.
Tourtellotte, E. P. T., 279—24.
Touzalin, A. E., 140—1.
Tower, Albert, 390—2.
Tower, C., Jr., 251—1.
Towle, H. H., 421—10.
Towle, M., 698—5.
Towne, A. N., 734—12.
Townsend, F. M., 186—8.
Townsend, H. C., 463—23; 463i—6; 682—6.
Townsend, J., 138—26.
Townsend, J. A., 138—40.
Townsend, O., 186—4.
Townsend, S. D., 842—6.
Townsend, S. N., 24a—36.
Townsend, T. B., 846—7.
Townsend, W., 548—4; 549—2.
Townsend, W. P., 141e—13; 141f—10.
Tozer, Geo. K., 810—39.
Tozzer, George, 168—13.
Tracy, Charles E., 96—2.
Tracy, H. W., 603—38.
Tracy, J., 150—90.
Tracy, S. K., 89—9.
Trainham, W. H., 647—8.
Traver, Charles, 151—99.
Traver, J. J., 2—7.
Travis, A. M., 690—5.
Traynor, A., 792—37.
Treat, N. C., 792—53.
Trego, W. H., 37—74.
Tressel, L. R., 104—4.
Trevor, W. M., 559—5.
Trezevant, W. H., 298—8.
Trezise, Thomas, 37—45.
Tribble, W. S., 420—6.
Trimble, C. H., 416c—7.
Trimble, J. R., 562—2.
Trimble, Jos. R., 86—4.
Tripp, G. B., 150—90.
Tripp, O. H., 410—8.
Tritte, John S., 102a—15.
Tritte, F. A., 631—2.
Troll, A. H. R., 51—4.
Troll, C. W., 51—3.
Troll, John T., 51—1.
Troop, W. B., 141—39.
Trout, M. C., 780—9.
Trow, H. N., 245—9.
Troy, T. O., 539—7.
Truby, Wm., 37e—4.
Trudeau, T., 102—2.
True, W. F., 120—15.
Trueman, C. B., 501—2.
Truesdale, W. H., 455—2.
Trumbull, F., 771—111.
Trumbull, James, 735—4.
Trumbull, M., 812—3.
Trump, M., 587—87.
Trumpy, C., 734C—c—9.
Truslow, J. L., 24a—37.
Truville, G. R., 415—32.
Tucker, A. M., 521—48; 521c—4.
Tucker, C., 237—23.
Tucker, E. H., 524—18.
Tucker, Horace, 339—25.
Tucker, J. C., 168—21.
Tucker, J. E., 282—15.
Tucker, J. F., 150—4.
Tucker, J. L., 587—92.
Tucker, Payson, 421—2.
Tuckerman, C. S., 154—2.
Tudhope, John, 792c—4.
Tufts, L. D., 589b—13.
Tuller, W. G., 521—22; 521c—6.
Tulley, George, 635—7.
Tumy, W. H., 49b—28.
Tupper, H. F., 850—31.
Turk, W. A., 645—34.
Turner, C. E., 86—16.
Turner, C. L., 385—5.
Turner, E. K., 279—11.
Turner, G. H., 463—46.
Turner, G. J., 734a—41.
Turner, H. N., 67—5.
Turner, James, 295—9.
Turner, J. C., 371—10.
Turner, J. J., 588—44.
Turner, J. M., 339—47.
Turner, Jesse, 204—2.
Turner, Moses, 291—4.
Turner, W. E., 645—6.
Turner, W. H., 525—7.
Turreff, W. F., 49e—1.
Turrentine, W. H., 645—25.
Turton, W., 792c—15.
Tuttle, A. G., 524—23.
Tuttle, E. R., 792—53.
Tuttle, Lucius, 103—7.
Tuttle, L. R., 416d—17.
Tuttle, W. B., 237—24.
Tweed, Wesley, 87—12.
Tweed, C. H., 516—5.
Tweedie, W., 453—10.
Twiggs, P. E., 297—2.
Twining, G. W., 120—11.
Twombly, A. W., 563—17.
Twombly, F. M., 563—18.
Twombly, T. B., 153—21.
Tyler, A. L., 13—1.
Tyler, C., 825—7.
Tyler, Edmund L., 640C—4.
Tyler, Henry W., 309—1; 701—1.
Tyler, J. W., 186—10.
Tyler, Sidney F., 13—2; 715—1.

Tyndale, H. H., 568—5.
Tyrer, W. T., 647—11.
Tyrrell, P., 150—16.
Tyson, H., 688—40.

U.

Ulmo, 618b—8.
Ulmo, H. W., 618b—9.
Underhill, A. B., 65—18.
Underhill, E. M., 734C—4.
Underhill, H. P., 11—1.
Underwood, F. D., 454—5; 456—5.
Underwood, Joseph, 588—76.
Underwood, T. F., 138—39
Underwood, W. H., 443—41.
Underwood, W. J., 150—57.
Ungers, N., 280—24.
Union Trust Co., 221—7; 646—5; 792—10.
Unruh, Wm., 233—28.
Unsworth, 102b—3.
Updegraff, G. T., 19—6.
Upham, C. C., 140—15.
Upham, H. P., 693—4.
Upham, J. B., 722—2.
Upton, G., 563—20.
Upton, Harry, 309—54.
Uren, S., 734a—38.
Urquhart, A. C., 624—10.
Urquhart, T. J., 734B—9.
Usher, E. D., 781—5.
Usher, E. P., 305—1.
Usher, J. P., 792—23.
Utley, C. P., 150—51.
Utley, E. H., 8—6.
Utley, W. R., 425—7.
Utt, John E., 89—8.

V.

Vail, Allen, 86—16.
Vail, John D., 42—5.
Vail, S. M., 785—4.
Vaillant, Geo. H., 521—9.
Vaille, T. P., 792—13
Valentine, William, 792C—15.
Valkenburg, A. C. V., 463—19.
Valls, William A., 648—4.
Van Alstyne, W. C., 532—4.
Vanatta, H. H., 587—115.
Van Bergen, W. F., 151—22; 151a, b—27.
Van Bibber, C. D., 260—4.
Van Brunt, G., 53—6.
Van Buskirk, L., 138—32.
Vance, Jno., 263—1.
Vandewater, P., 295—11.
Vandling, A. H., 232—8.
Vandenberg, Y., 416c—6.
Vandegrift, W. H., 449—13.
Vanderbilt, C., 50—2; 443—1; 517—1.
Vanderbilt, F. W., 518—2.
Vanderbilt, Oscar, 631—7.
Vanderbilt, W. K., 395—1; 518—2.
Van Denburgh, F. L., 734a—20.
Vandervort, E. M., 181—5; 832—5.
Vandivir, W. J., 259—9.
Van Dusen, F., 588—65.
Van Dyne, J. B., 463g—4; 676—17.
Van Etten, E., 521—45.
Van Hoffen, A. W., 138—53.
Van Hollinger, M., 377—4.
Van Horn, N., 521—34.
Van Horne, A. C., 138—32.
Van Horne, W. C., 103—2; 353—1.
Van Houten, I. W., 587—41.
Vankirk, David, 42—10.
Van Kuran, A. S., 792—16.
Vanlandingham, A. J., 370—23.
Van Ness, C. H., 313—3.
Van Nest, W. L., 688—27.
Van Praag, S., 141a—45.
Vansant, R. L., 467—7.
Van Tassell, W. H., 348—21; 348a—7.
Van Vechten, J., 521—46.
Van Vleck, E., 660—21.
Van Vleck, W. G., 734C—a—15
Van Wagnen, L. B., 509—6.
Van Winkle, J. Q., 49b—4.
Van Woert, C. L., 66—7.
Van Zile, T. H., 103—41.
Vass, W. W., 708C—2; d—4.
Vaughan, A. L., 743—4.
Vaughan, F. W., 416—21.
Vaughan, W. A., 443—37.
Vaughn, B. O., 416a—16.
Vaughn, I. B., 645—27.
Veale, Geo. W., 793c—2.
Veazie, W., 488—4.
Veech, A., 688—18.
Veitch, J. A., 150—94.
Verbruyck, B. K., 153—22.
Verdery, E. F., 297—1.
Vermillion, W. B., 463a—18.
Victor, J. N., 98—5.
Viele, A. H., 251—6.
Vilas, Henry C., 166—27.
Vincent, H. C., 425—5.
Vincent, O. B., 793b—9.
Vining, M. L., 550—23.
Vilet, E., 151—93.
Vogt, A. S., 587—29.
Voight, F. E., 170—5.
Volk, M., 568—18.
Volk, T. D., 24c—10.
Von Schroder, J. H., 699—4.
Voorhees, P. L., 589f—3; 589g—3.
Voorhees, Theo., 517—11.
Voss, William, 89—19.
Voyt, H. C., 384—13.
Vreeland, J. H., 521—41.
Vroman, Charles, 706—4.
Vroman, Corn. P., 706—5.
Vroman, David B., 706—1.
Vroman, Lucian, 706—2.
Vroman, M. J., 706—6.
Vroman, Wm. J., 706—3.

W.

Waddy, J. E., 646h—3.
Wade, F. P., 812—32.
Wade, J. H., 176—1; 801—1.
Wade, R. D., 645—22.
Wadleigh, J. B., 676—29.
Wadly, Geo. D., 119a—12.
Wadsworth, E. R., 550—75.
Wadsworth, I. R., 622—5.
Wadsworth, T. W., 150—98.
Wagener, R. C., 463d—38.
Wagg, G. W., 421—16.
Waggener, A. H., 151—99.
Wagner, J. C., 286; 286a—8.
Wagner, Wm., 237—5.
Wagstaff, Thos. H., 16—4.
Wainwright, W., 309—3.
Wait, J. H., 568—18.
Waite, C. A., 68—24.
Waite, C. C., 49c—13; 166—2, 7; 227—4.
Waite, G. W., 587—108.
Wakefield, M., 639—9.
Wakefield, R., 141d—12.
Wakefield, S. W., 153—47.
Wakeman, E. B., 692—9.
Walbridge, Wm. de L., 302, 302a—3.
Walden, Edwin, 71—1.
Walden, W. D., 151—80.
Waldo, Chas. F., 850—23.
Waldo, F. O., 443—39.
Wales, T. C., 24i—2; 383—2.
Walker, B. W., 463—46.
Walker, C. A., 232—5.
Walker, C. B., 298—11.
Walker, C. E., 16—3.
Walker, C. W., 708—9.
Walker, G. D., 182—3.
Walker, G. F., 153—52.
Walker, H. B., 150—10.
Walker, H. W., 309—9.
Walker, James E., 448—2.
Walker, Jas., 330—1.
Walker, J. F., 309—8.
Walker, Joseph, 548—13.
Walker, M. B., 141—29.
Walker, P. L., 32—4.
Walker, Robt., 463b—21.
Walker, S. A., 237—20.
Walker, S. A., 673—4.
Walker, T. H., 37—77.
Walker, W. J., 779—3.
Walker, W. L., 792d—14.
Walker, W. S., 618c—10.
Walker, W. W., 16—2.
Wall, C. D., 824—6.
Wall, Edward B., 588—32.
Wall, J. H., Jr., 587—165.
Wall, Wm., 309—55.
Wallace, J., 141—66.
Wallace, J. E., 706—40.
Wallace, J. F., 598—5.
Wallace, J. J., 102a—12.
Wallace, Jas., Jr., 151—80.
Wallace, Robert, 416c—7.
Wallace, Robert, 894—4.
Wallace, William, 272—6.
Wallace, W. A., 50—1.
Wallace, W. C., 416c—9.
Wallbridge, E. M., 489—11.
Wallenger, C., 391—3.
Waller, John E., 725—1.
Walling, P., 750—21.
Wallis, Herbert, 309—41.
Wallis, J. M., 589b—5; 589c—13.
Wallis, P., 141—52.
Walsh, Jas., 569a—9.
Walsh, John, 825—6.
Walsh, J. H., 638—4, 11.
Walsh, I. L., 334—10.
Walsh, M., 640—8.
Walsh, M. P., Jr., 463—44.
Walsh, P., 24—25.
Walsh, T., 416a—20.
Walsh, T. H., 571—27.
Walsh, W. E., 24d—8.
Walter, A., 587—133; 589a—32.
Walter, F. M., 543—7.
Walter, T. G., 478—4.
Walters, H., 26—1.
Walters, H., 463e—25.
Walters, W. T., 26g, h—3.
Walton, A. H., 516—46.
Walton, C. R., 426—7.
Walton, H. W., 637—13.
Walton, J. A., 708—8.
Walts, G. W., 792—47.
Wanklyn, F. L., 309—44.
Wann, F. A., 138—10.
Wann, J. T., 49c—10.
Wappner, G. H., 169—12.
Wappner, May., 169—13.
Warburton, C. H., 186—18.
Warburton, W. N., 269—4.
Ward, A., 587—33.
Ward, C. D., 521c—7.
Ward, C. F., 691—9.
Ward, C. V. V., 521—32.
Ward, H., 610—7.
Ward, S. G., 565—6.
Ward, W. P., 89—17.
Wardwell, J. W., 183—5.
Ware, C. V., 533—4.
Ware, Henry, 87—11.
Warlick, G., 151a, b—10.
Warner, C. G., 463—2; 463h—5; 463i—5; 682—7.
Warner, F. E., 151c—33.
Warner, H. H., 721—2.
Warner, J. H., 463a—30.
Warner, O., 141—65.
Warner, R. A., 395—78.
Warner, Wm., 81—3.
Warren, B., 781—6.
Warren, C., 646c—4.
Warren, C. H., 692—12.
Warren, G. D., 322—7.
Warren, G. W., 420—4.
Warren, G. W., 850—33.
Warren, R. K., 416—6; 575—2; 593—3.
Warren, Winslow, 69—3.
Warthen, G. D., 697—3.
Warthen, R. L., 697—2.
Warwick, N. R., 463—37; 771—35.
Warwick, T. F., 119—24; 119c—9.
Washburn, H. D., 151—78.
Washburn, J. M., 563—3.
Washburn, S., 413—3; 700—5.
Washburn, W. D., 454—1; 456—1.
Washington, A. C., 634—2.
Washington, J. B., 37a—1; 37d—1; 37e—2; 37g—1; 37h—2; 37i—1.
Wasson, M. S., 49b—34.
Waterbury, W. A., 525—9.
Waterman, D. A., 443—16.
Waterman, G. O., 120—16.
Waterman, H. L., 141g—2.
Waters, J., 150—90.
Waters, M., 815—1.

Waters, W. H., 431—3.
Watkin, C. O. G., 850—32.
Watkins, F. W., 561—11.
Watkins, Geo., 707—6; 734—11.
Watkins, John, 339—18.
Watkins, P. W., 80—5.
Watrous, G. C., 161—17; 248—12.
Watrous, G. H., 322—1.
Watson, A., 249—3.
Watson, C. H., 249—7.
Watson, E. C., 206—7.
Watson, H. W., 332—7.
Watson, J. H., 569b—8.
Watson, J. R. 279—8.
Watson, J. W., 120—4.
Watson, J. W., 86—13.
Watson, P. J., 417—30.
Watson, P. N., 624—11.
Watson, W. C., 734C—9; —C—a—9; C—b—10; C—c—6; C—d—7; C—e—9; C—f—9.
Watson, Wm. M., 626—7.
Watt, D. M., 587—91.
Watt, T. E., 587—169.
Watt, T. J., 251—8.
Watters, A. N., 131—4.
Watters, J. H., 13—5.
Watterson, T. H., 416d—16.
Wattles, J. S., 151a, b—41.
Wattles, M. E., 395—77.
Watts, A. H., 771—19.
Watts, Chas., 588—45.
Wattson, W. G., 517a—7.
Waughs, L. H., 24e—11.
Ways, C. E., 37—11.
Wead, C. M., 141a—31.
Weare, Robt., 463—54.
Weatherly, 646e—8.
Weaver, A. J., 646f—6.
Weaver, J. N., 404b—7.
Webb, C. H., 404—7.
Webb, Geo., 151—19.
Webb, J. W., 28—5.
Webb Norman, 60—3.
Webb, W. M., 587—90.
Weber, O. B., 49e—42.
Webber, H. N., 571—23.
Webber, W. L., 280—14.
Webber, W. L., 663—1.
Webster, H. A., 422—12.
Webster, G. H., 424—6; 455—21.
Webster, James, 548—5.
Webster, J. F., 203—7.
Webd, Jas. B., 726—1.
Weed, J. A., 792b—3.
Weed, F. M., 726—8.
Weed, S. E., 84—5.
Weed, Smith M., 130—1.
Weed, W. S., 393—9.
Weeks, Ed. J., 517—20; 517a—17.
Weeks, G. H., 395—27.
Weeks, Jno. H., 37—35.
Weeks, J. S. P., 141a—10.
Wegg, D. S., 850—17.
Weight, George, 24—37.
Weir, John, 690—7.
Weir, John F., 684—8.
Weirs, J. S., 782—12.
Weisgerber, E. L., 37—55.
Weisgerber, F., 792c—15.
Weitbrec, R. F., 237—7.
Welch, Benj., 734a—29.
Welch, B. G., 842—1.
Welch, B. H., 842—4.
Welch, Geo. D., 734a—32.
Welch, J., 601—3; 843—4.
Welch, L. W., 463b—9.
Welch, Osgood, 253—3.
Welch, Theo., 416c—3; 593—9.
Weller, C. W., 463b—14.
Weller, S. P., 463a—14.
Wellen, Edgar T., 812—3.
Wellford, C. E., 516—13.
Welling, J. C., 339—9.
Wellington, C. L., 449—10.
Wellington, J. L., 731—3.
Wellman, H. H., 812—14.
Wells, C. N., 735—10.
Wells, C. S., 734C—d—4.
Wells, D. A., 284—2.
Wells, E. H., 376—9.
Wells, Fred. L., 622—3.
Wells, H. A., 557—31.
Wells, J. B., 587—46.
Wells, J. S., 558—4; 676—4.
Wells, M. N., 24c—6.
Wells, Reuben, 416—23.
Wells, Theo., 119—20; b—11.
Wells, Thos. H., 716—3.
Wells, W. A., 502, 503—2.
Wells, W. W., 640b—3.
Welsh, Jno., 100—3; 315—6; 643—2.
Welsh, J. D., 792—54.
Welsh, T., 557—23.
Welsh, W. J., 539—5.
Welton, C. S., 132—3.
Wemp, W. M., 150—76.
Wentworth, J. R., 688—19.
Wentworth, T. F., 87—2.
Wentz, W. W., Sr., 393—21.
Wentze, E. L., 361—7.
Werbiski, A., 649—3.
Werk, C., 178—3.
Werk, M., 178—4.
Werscakul, J. C., 161—23.
Werth, Jas. R., 77—3.
Wescott, E. A., 150—87.
Wescott, G. P., 625—1.
Wesley, W. H., 463e—23.
West, A. G., 259—2.
West, C. C., 26—17.
West, C. F., 259—8.
West, C. W., 380—2.
West, G. M., 151—67.
West, Geo. S., 150—88.
West, G. W., 521a—28.
West, Joel, 141—58.
Westbrook, Jas. G., 122c—9.
Westcott, E., 10—4.
Westcott, John, 669—3.
Westcott, T. D., 10—3.
Westfall, E. B., 587—137; 589a—28.
Westfall, J. C., 339—55.
Westfall, W., 455—35.
Weston, A. S., 517—46.
Weston, C. S., 232—11.
Weston, E. W., 232—10.
Weston, J. B., 65—33.
Wetherald, F., 141—65.
Wetherell, E. F., 562—8.
Wetmore, A. R., 265—6.
Wetmore, E. B., 750—4.
Wetmore, Noyes & Hinckley, 815—6.
Wetsell, H. P., 803—11.
Wetzler, G., 597—9.
Weymouth, F. P., 550—30.
Whalen, M. C., 734C—d—16.
Whalen, Richd. J., 684—6.
Whaley, S. T., 524—20; 524a—7.
Whaley, W. M., 752—3.
Whaling, J. P., 150—14.
Whaling, J. A., 150—36.
Wharton, Wm., Jr, 231—1.
Whedon, J. T., 463d—9.
Wheeler, A. D., 363—3.
Wheeler, Charles, 242—5.
Wheeler, C. C., 151—6.
Wheeler, C. H., 69—10.
Wheeler, E. A., 232—31.
Wheeler, E. D, 328—2.
Wheeler, Herman, 151—13.
Wheeler, J. A., 339—73.
Wheeler, J. B, 193—2.
Wheeler, M. C., 458a—10.
Wheeler, O. C., 734—17.
Wheeler, Samuel P., 96—5.
Wheeler, S. A., 530—13.
Wheeler, Thos. F., 106—4, 6.
Wheeler, W. G., 267—3.
Wheeler, W. H., 106—11.
Wheelock, E. D., 176—8.
Wheelock, G. F., 151a, b—10.
Wheelock, W. C., 310—6.
Wheless, H. H, 18—4.
Wherry, F. P., 688—14.
Whisnant, T. W., 708b—12.
Whitacre, W. W., 395—41.
Whittaker, John, 587—150.
Whitaker, J. W., 67—11.
Whitcomb, D. F., 346—5.
Whitcomb, H D., 644—8.
Whitcomb, H. F., 449—7.
Whitcomb, H. F., 279—4.
White, Arthur, 309—52.
White, A. L., 646b—3.
White, A. S., 49a—5; 463—46.
White, David, 311—3.
White, D., 102a—11.
White, Edward, 521—5; 521c—3; 521e—2.
White, E. W., 164—4.
White, G. E., 17—3.
White, G. F., 150—84.
White, G. H., 251—5.
White, G. W., 150—96.
White, H. F., 89—10.
White, Isaac W., 782—4.
White, Jonah H., 26—11.
White, John, 45—5; 87—16.
White, Joseph, 298—10; 309—62.
White, J. A., 576—3.
White, M., 404c—11.
White, S. L., 517—41.
White, S. S., 524—27.
White, S. V., 533—2; 670—2.
White, S. W., 588—3; 589a—1—3.
White, U. J., 670—1.
White, W. F., 24—12; 24f—17.
White, W. H., 332—10.
White, W. L., 385—4
Whited, J. H., 734a—34.
Whitehead, Charles E., 244—1.
Whitehead, George A., 119—8; 119a—5; 119d—4; 298—2.
Whitehead, H. C., 24c—7.
Whitehead, J. P., 17—4; 24—7; 24d—5; 24e—8; 24f—6; 24g—6; 24h—6; 24i—5; 98—3; 314—8.
Whitehead, T. I., 468—19.
Whitehurst, W. G., 647—9.
Whitescarver, G. M., 304—5.
Whiting, H. A., 471—1.
Whiting, H. C., 699—2.
Whiting, S. B., 603—55.
Whitman, B. F., 49a—8.
Whitman, J. M., 151c—7.
Whitmore, C. P., 141a—46.
Whitmore, J., 279—6.
Whitmore, J., 525—28.
Whitmore, T. A., 458—9.
Whitney, A. J., 439—8
Whitney, F. B., 151c—12.
Whitney, G. B., 422—19.
Whitney, Henry A, 69—1; 69a—1; 102a—5.
Whitney, O. R., 531—4
Whitock, Jno. M., 507—8.
Whitney, R. B., 49b—10.
Whitridge, H. C., 655—5.
Whittaker, J., 691—19.
Whittaker, W. H., 455—22.
Whittaker, W. T., 225—3.
Whittelsey, T. F., 395—68.
Whittemore, D. J., 150—28
Whittemore, J. A., 322—12.
Whittemore, M. M., 524a—8.
Whittemore, T., 279—13.
Whittier, Chas., 126.
Whittier, H. M., 122a—21.
Whittington, J. D., 822—4.
Whittle, John, 404—5.
Whittlesley, O. W., 151a, b—11.
Whitworth, J. S., 538—
Whyte, W., 103—40.
Wicherton, J., 463a—16.
Wicke, C., 222—10.
Wicker, H. C., 151—9.
Wicker, J. B., 697—5.
Wickersham, C. J., 144—5.
Wickham, Wm. C., 516—3; 516—11.
Wickham, H. T., 516—14.
Wickstrom, C., 734a—64.
Wiestling, E. B., 472—2.
Wiestling, John H., 603—52.
Wierman, V., 587—89.
Wiesiling, G. B., 472—3.
Wiggins, N. D., 339—55.
Wiggins, W. A., 73—1
Wigglesworth, T. H, 193—7.
Wight, C. S., 37—12; 37c—7; 196—5.
Wikel, S. A., 286; 286a—5.
Wikoff, A. T., 187—1.
Wilber, Albert, 326—5.
Wilber, C. K., 792—33.
Wilbur, E. P., 404a—1; 404b—1; 404c—1; 810—22.
Wilbur, J. B., 151—78.
Wilburn, C. B., 9—6.
Wilcox, A. C., 138—33.
Wilcox, Edwin, 626—4.
Wilcox, H. C., 441—1.
Wilcox, J. A., 198—3.
Wilcox, J. E., 257—17.
Wilcox, L. G., 151c—29.
Wilcox, N. A., 525—12.
Wilcox, W., 463a—31.
Wilde, J. B., 668—3.
Wilder, A. D., 734a—25.
Wilder, A. P., 24—32; 24f—20.
Wilder, C. J., 734a—7.
Wilder, E., 24—5; 24d—3; 24e—5; 24j—3; 24g—4; 24h—4; 368—4.

Wilder, J., 731—4.
Wilder, M., 517—46.
Wildbach, W. A., 393—4.
Wile, Isaac, 652—4.
Wiley, J., 248—14.
Wiley, J. S., 355—4.
Wilkes, J. S., 771—6.
Wilkes, S. W., 299—6.
Wilkeson, S., 550—5.
Wilkins, C. P., 815—5.
Wilkins, G. C., 589a—9; 589b—10; 589c—12.
Wilkins, H., 299—12.
Wilkins, H. B., 98—6.
Wilkins, J. C., 119c—10.
Wilkins, T. D., 587—81.
Wilkinson, H. W., 332—4.
Wilkinson, J. M., 169—15.
Wilkinson, M. B., 663—4.
Wilkinson, T. J., 678—13.
Wilkinson, Wm., 339—41.
Willard, E. P., 546—6.
Willard, W. J. W., 205—9.
Willcutt, J. L., 734B—a—4.
Willey, S. B., 571—11.
Williams, Andrew, 130—2.
Williams, A. C., 124—6.
Williams, A. H. A., 576—1.
Williams, A. L., 793c—3.
Williams, A. M., 463c—12.
Williams, B. C., 74—5; 112—6.
Williams, C. C., 587c—7; 689d—9.
Williams, C. L., 559—3.
Williams, D. E., 119b—4.
Williams, E. A., 150—34.
Williams, E. H., 585—4.
Williams, E. S., 810—27.
Williams, Frank F., 85—3.
Williams, F. H., 382—2; 397—2.
Williams, G. B., 140—23.
Williams, G. H., 524—8.
Williams, G. M., 416d—6.
Williams, G. T., 518—13.
Williams, H., 332a—3.
Williams, H. D., 645—18.
Williams, H. R., 150—63.
Williams, John, 113—2.
Williams, J. B., 550—4.
Williams, J. H., 205—3.
Williams, J. C., 133—2.
Williams, J. G., 803—20.
Williams, J. M., 68—12; 530—6.
Williams, John R., 85—2.
Williams, J. R., 105—3.
Williams, Lewis, 518—5.
Williams, N., 154—1.
Williams, P. M., 416b—7.
Williams, R., 89—2.
Williams, R. B., 18—2.
Williams, R. E., 113—4.
Williams, S. E., 452—9.
Williams, S. J., 392—2.
Williams, S. M., 120—3.
Williams, Thomas, 102a—2.
Williams, T. S., 493—5, 10.
Williams, W., 688—40.
Williams, W. B., 227—6; 228—5
Williams, W. H., 24b—2.
Williams, W. S., 292—3; 489—3.
Williamson, G. D., 151—83.
Williamson, J. A., 29—17.
Williamson, J. D., 659—1.
Williamson, S. E., 518—9.
Williman, C., 26d—3.
Willis, E. E., 139—3.
Willis, H. G., 419—14.
Willis, R. A., 151c—40.
Willis, R. S., 314—2.
Willis, Wm., 64—3.
Willits, H. C., 519—6.
Willson, W. C., 216—1.
Wilmer, S., 646f—2.
Wilmot, B. E., 463e—17.
Wilmot, Saml., 495—6.
Wilson, A. M., 643—4.
Wilson, C. A., 834—9.
Wilson, C. D., 89—30.
Wilson, Chas. G., 83—2.
Wilson, C. M., 144—3.
Wilson, D. C., 792c—9.
Wilson, E. B., 745—4.
Wilson, E. P., 151—10.
Wilson, Geo., 548—12.
Wilson, Geo., 521a—22.
Wilson, G. F., 455—13.
Wilson, Geo. M., 77—4.
Wilson, H. D., 463—39.
Wilson, I. H., 348—7.
Wilson, J., 141—66.
Wilson, Jas., 645a—2; c—3.
Wilson, J. A., 463—46.
Wilson, J. B., 249—6.
Wilson, J. C., 587—189.
Wilson, J. S., 587—149; 592—54.
Wilson, J. T., 734B—7.
Wilson, James, 103—27.
Wilson, James V., 150—86.
Wilson, John, 792—59.
Wilson, Lemuel H., 631—5.
Wilson, M. B., 350—4.
Wilson, R. B., 850—32.
Wilson, R. T., 419—1; 458a—1.
Wilson, S. A., 115—8.
Wilson, W. C., 256—9.
Wilson, W. H., 205—7.
Wilson, W. S., 675—5; a—1.
Wilson, W. S., 792a—8.
Wilson, Wm., 138—19.
Wilson, Wm., 321—8.
Wilson, W. J., 825—3.
Wiltbank, P. W., 107—3.
Wilton, H. C., 257a—3.
Wimer, L. E., 587—69.
Wincheck, Chas., 463c—12.
Winchell, B. L., 370—5.
Winans, J. C., 702—2.
Winder, J. C., 708b—3; c—3; d—2.
Windsor, Jas. A., 637—6.
Wineow, H. N., 37—44.
Winfield, M. R., 517—46.
Wing, W. S., 792—17.
Wingate, A., 141—63.
Wingate, R., 565—2.
Winne, W. N. D., 150—15.
Winnet, J. J., 850—32.
Winslow, C. W., 141—21.
Winslow, E. F., 29—2; 688—1.
Winslow, J. E., 536—8.
Winslow, J. F., 170—2.
Winstanley, E. C., 179—5.
Winstanley, E. C., 224—3.
Winston, J. B., 647—2.
Winter, A. H., 339—30.
Winter, E. W., 151c—6; 693—1.
Winton, D. H., 141f—13; 141h—12.
Wipper, A., 168—10.
Wire, E. G., 42—8.
Wise, C. H., 151—86.
Wise, J. S., 258—2.
Wise, W. H., 644—14.
Wisel, W. B., 227—14.
Wiseman, J. B., 141—39.
Wishart, D., 688—7.
Witherbee, F. S., 390—3.
Withrow, Thos. F., 153—18.
Withycomb, J., 395—50.
Witter, E. H., 86—12.
Witty, J. B., 346—10.
Woddrop, C. W., 842—3.
Wolcott, E. O., 237—6.
Wolcott, H. R., 243—2.
Wolcott, S. A., 150—58.
Wolf, Geo., 120—17.
Wolf, J. F., 856—4.
Wolf, T. Frank, 856—7.
Wolffe, F., 174—1.
Womeldorff, H. C., 376—15.
Wood, Allen, 46—8.
Wood, A. D., 815—4.
Wood, C. H., 24a—15.
Wood, C. O., 182—6.
Wood, D. D., 587—77.
Wood, E. H., 792—47.
Wood, Geo. C., 538—2.
Wood, Henry, 20—1; c—2.
Wood, H. C., 731—1.
Wood, H. M., 203—13.
Wood, I. E., 37—73.
Wood, Josiah, 501—1.
Wood, J., 588—19.
Wood, J. A., 588—75.
Wood, J. H., 138—5.
Wood, J. R., 161—27.
Wood, J. R., 248—9; 587—162.
Wood, M. R., 153—27.
Wood, S. A., 587—42.
Wood, W. R., 370a—10.
Wood, W. S., 64—9.
Woodard, J. M., 24—37.
Woodard, W. R., 417—5.
Woodbury, L. S., 325—5.
Woodbury, W. C., 49e—17.
Woodford, M. D., 834—4.
Woodford, W. R., 834—18.
Woodley, G., 842—8.
Woodman, E. E., 151c—3.
Woodrow, G. D., 831—7.
Woodruff, E. D., 166—5.
Woodruff, M. C., 458a—5.
Woods, Ford, 348—9.
Woodson, J. A., 20—2.
Woodside, A., 138—40.
Woodside, M., 138—40.
Woodward, J. H., 812—9.
Woodward, J. R., 638—5.
Woodward, L. F., 205—12.
Woodward, W. H., 303—3; 740—2.
Woodworth, A. C., 524—31.
Woollacott, J. H., 280—26.
Wooldredge, A. M., 366—4.
Wooldrige, John, 320—1.
Woolley, Frank W., 640—23.
Woolsey, R. B., 803—22.
Wootten, Jno. E., 321—3.
Wooten, S. E., 646c—4.
Worcester, E. D., 276c—4; 395—4; 443—3; 517—6; 517b—1.
Worcester, G. H., 395—72.
Worcester, I. A., 151—79.
Worley, Geo., 331—6.
Work, James, 362—4.
Worswick, Jas. E., 174—6; 824—5.
Worthington, J. T., 645—13.
Worthington, W., 286, 286a—3.
Worthley, A., 141f—31.
Worthley, J. L., 19—8.
Wragge, Edmund, 309—22.
Wrenn, B. W., 257—8.
Wrenne, M. J. C., 491—5.
Wrenshall, C. C., 550—33.
Wright, A. G., 417—30.
Wright, C. A., 317—4; 451—5.
Wright, C. B., Jr., 650—1.
Wright, D., 150—90.
Wright, E., 256—7.
Wright, E. C., 734—5.
Wright, E. S., 546—4.
Wright, H., 49e—44.
Wright, H. T., 455—11.
Wright, J. A., 849—2.
Wright, J. B., 734a—24.
Wright, J. G., 463h—12.
Wright, J. P., 1—6.
Wright, J. W., 151—79.
Wright, P. P., 395—8.
Wright, R., 412—15.
Wright, Robert, 309—5.
Wright, Theo., 849—1.
Wright, W. H. S., 151c—15.
Wurtelle, C. E., 792b—1.
Wurtele E. C., 477—5.
Wyand, W. L., 443—47.
Wyatt, J. B., 141a—46.
Wyckoff, P. H., 120—6.
Wyeth, J. A., 764—4.
Wyeth, Louis, 764—1.
Wygant, E., 588a—11.
Wygant, Theo., 571—4.
Wykes, John, 161—28.
Wymon, J. H., 64—7.
Wynkoop, H. W., 588—20.
Wynn, E. B., 660—17.
Wynn, James, 233—41.

Y.

Yale, C. B., 692—21.
Yale, J. L., 49a—12.
Yardley, E., 588—23.
Yarnall, F. C., 403—1.
Yarrington, J. D., 516—32.
Yarrington, M. W., 26e—2; 26f—2.
Yates, Arthur G., 721—1.
Yates, C. E., 141a—30.
Yates, F. W., 721—3.
Yeamans, C. N., 508—1.
Yeats, J. M., 415—14.
Yeo, James, 102a—15.
Yeoman, S. M., 792b—9.
Yerington, E. B., 808—4.
Yerington, H., 808—7; a—8.
Yerington, H. M., 64—1; 808—2; a—1.
Yetter, W. G., 603—37.
Yrakum, B. F., 696—3.
Yohe, J. B., 614—13.
York, George W., 421—8.
Yould, W., 848—8.
Young, C. M., 587—134; 589a—33.

Young, Charles L., **309**—2.
Young, C. D., **587**—19.
Young, D., **588**—77.
Young, E. D., **116**—8.
Young, E. S., **589a**—14; **589c**—7.
Young, Frank, **767**—7.
Young, Geo. L., **449**—17.
Young, H. G., **232**—3.
Young, Hy., **463e**—18.
Young, Jas. H., **77**—1; **151**—99.
Young, Joseph, **800**—7.
Young, L. W., **426**—3.
Young, Mason, **360**—2.
Young, Nelson, **760**—8.
Young, S., **516**—40.
Young, W. B., **30**—2; **31**—2.
Young, W. J., **339**—65.

Z.

Zacharias, C. T., **268**—2.
Zahn, John, **417**—16.
Zane, R., **587**—41.
Zeigler, George, **603**—21.
Zeile, E. G., **429**—1.
Zimmerman, A., **53**—7.
Zimmerman, C. F., **237**—19.
Zimmerman, D. M., **589e**—3, 18.
Zimmerman, E., **136**—1; **165**—1; **166**—4; **380**—1.
Zink, C. M., **707**—7.
Zippell, G. E., **233**—14.
Zook, E., **141a**—46.
Zook, F. K., **699**—7.
Zook, M. A., **346**—8.
Zug, Seth, **116**—5.

THE WAY BILL

THE NEATEST, THE BRIGHTEST, AND MOST ARTISTIC RAILROAD JOURNAL PUBLISHED.

IT IS KNOWN, READ, AND APPRECIATED BY THE BEST PEOPLE OF THE PROFESSION IN UNITED STATES, CANADA, AND MEXICO.

SUBSCRIPTION, ONE DOLLAR PER YEAR.

E. F. GALVIN, Manager. C. D. GALVIN, Editor.

P. O. Box 1471. 102 NASSAU ST., NEW YORK.

RAILROAD COMMISSIONERS.

(24) List of States and Territories having Boards of Railroad Commissioners, with Names of Commissioners, Secretaries, etc.

INTERSTATE COMMERCE COMMISSION OF THE UNITED STATES.—*Chairman*, Thomas M. Cooley, of Michigan; William R. Morrison, of Illinois; Augustus Schoonmaker, of New York; Aldace F. Walker, of Vermont; Walter L. Bragg, of Alabama; *Secretary*, Edward A. Mosely, of Boston, Mass. Office, Washington, D.C.

Alabama. The railroad commission of this State was established February 26, 1881. The present Board consists of Henry R. Shorter, President, salary, $3,500; Levi W. Lawler and W. C. Tunstall, Associate Commissioners, salaries, $3,000 each; James K. Jackson, Clerk, salary, $1,560. Appointed by the Governor and Senate for two years. Salaries paid by the State. Office, Montgomery, Ala.

Arkansas. This State has no railroad commission. It has a Board of Tax Assessors, to assess the tax on all railroads of the State, consisting of (*ex officio*) the Governor of State, S. P. Hughes, the Auditor of State, A. W. Files, and the Secretary of State, Jacob Frolich. Office, Little Rock, Ark.

California. The railroad commission of this State was established April 15, 1880. The present Board consists of P. J. White, President, and A. Abbott and James W. Rea, Commissioners, salaries, $4,000 each; Stafford H. Parker, Secretary, salary, $2,400; J. F. Gawthorne, Stenographer, no fixed salary, and J. P. Carroll, Bailiff, salary, $1,200. Elected by the people for four years from January, 1887. Salaries paid by the State. Office, 14 Dupont St., San Francisco, Cal.

Colorado. This State has a single commission, and was established in 1885. The present Board consists of M. B. Garry, Commissioner, salary, $3,600, and W. B. Felkner, Jr., Secretary, salary, $1,800. Appointed by the Governor for two years. Salaries paid by the State. Office, Denver, Col.

Connecticut. The railroad commission of this State was established in 1853. The present Board consists of George M. Woodruff, John W. Bacon, and William H. Hayward, Commissioners, salaries, $3,000 each, and George T. Utley, Secretary, salary, $1,800. Appointed by the Governor and Senate for three years. Salaries paid by the railroads. Office, Hartford, Conn.

Dakota. The railroad commission of this State was established in 1885. The present Board consists of Alexander Griggs, N. F. Smith, Abraham Boynton and I. E. West, Secretary. Office, Yankton, Dak.

Georgia. The railroad commission of this State was established October 14, 1879. The present Board consists of Campbell Wallace, L. N. Trammell and A. S. Erwin, Commissioners, salaries, $2,500 each, and A. C. Briscoe, Secretary, salary, $1,500. Appointed by the Governor and Senate for six years. Salaries paid by the State. Office, Atlanta, Ga.

Illinois. The railroad commission of this State was established July 1, 1871. The present Board consists of J. I. Rinaker, Chairman, Jason Rogers, and B. F. Marsh, Commissioners, salaries $3,500 each, and N. D. Munson, Secretary, salary, $1,500. Appointed by the Governor and Senate for two years. Salaries paid by the State. Office, Springfield, Ill.

Indiana. This State has no railroad commission. It has a Board of Tax Assessors, to assess the tax on all railroads of the State, consisting of (*ex officio*) the Governor of State, Isaac P. Gray, the Lieutenant-Governor, Robert S. Robertson, the Secretary of State, Charles F. Griffen, the State Auditor, Bruce Carr, and the State Treasurer, J. A. Lemcke. Office, Indianapolis, Ind.

Iowa. The railroad commission of this State was established April 1, 1878. The present Board consists of Peter A. Dey, Spencer Smith and L. S. Coffin, Commissioners, salaries, $3,000 each, and E. G. Morgan, Secretary, salary, $1,500. Appointed by the Governor and Executive Council for three years. Salaries paid by the railroads. Office, Des Moines, Ia.

Kansas. The railroad commission of this State was established April 1, 1883. The present Board consists of A. R. Grean, Almeron Gillett and James Humphrey, Commissioners, salaries, $3,000 each; H. C. Rizer, Secretary, salary, $1,500, and C. S. Elliott, Clerk, salary, $1,000. Elected by the Executive Council. Salaries paid by the State. Office, Topeka, Kan.

Kentucky. The railroad commission of this State was established April 2, 1880. The present Board consists of D. H. Smith, W. B. Machen, and W. M. Buckner, Commissioners, salaries, $3,000 each. Appointed by the Governor for 2 years. C. E. Kincaid, Secretary, salary, $800. Appointed by the commission. Salaries paid by the State. Office, Frankfort, Ky.

Maine. The railroad commission of this State was established in 1858. The present Board consists of Asa W. Wildes, J. F. Anderson and David N. Mortland, Commissioners, salaries, $5 a day each. Appointed by the Governor and Council for 3 years. Salaries paid by the railroads. Office, Augusta, Me.

Massachusetts. The railroad commission of this State was established June 15, 1869. The present Board consists of George G. Crocker, Chairman, salary, $4,000; Edward W. Kinsley and Everett A. Stevens, Commissioners, salaries, $3,500 each; William A. Crafts, Secretary, and Frederick E. Jones, Accountant, salaries, $2,500 each. Appointed by the Governor and Council for 3 years. Salaries paid by special tax on railroads. Office, Boston, Mass.

Michigan. The railroad commission of this State was established April 10, 1873. The present Commissioner is John T. Rich. Appointed by the Governor and Senate for 2 years. Salary, $3,500. Wyllys C. Ransom, Deputy, appointed by the Commissioner, with the approval of the Governor. Salary, $1,500. Salaries paid by the State. Office, Lansing, Mich.

Minnesota. The railroad commission of this State was established March 8, 1875. The present Board consists of Horace Austin, Chairman, John L. Gibbs and G. L. Becker, Commissioners, salaries, $3,000 each, and E. S. Warner, Secretary, salary, $1,500. Elected for 2 years. Salaries paid by the State. Office, St. Paul, Minn.

Mississippi. The railroad commission of this State was established in March, 1884. The present Board was elected March 11, 1886, by the Legislature for 2 years, and consists of J. F. Sessions, J. C. Kyle and William McWillie, Commissioners, salaries, $2,500 each, and F. S. Scruggs, Clerk, salary, $1,000. Salaries paid by the State. Office, Jackson, Miss.

Missouri. The railroad commission of this State was established March 29, 1875. The present Board consists of James Harding, William G. Downing and John D. Breathitt, Commissioners, salaries, $3,000 each, and H. H. Gregg, Secretary, salary, $1,500. Elected by the people for 6 years. Salaries paid by the State. Office, Jefferson City, Mo.

Nebraska. The railroad commission of this State consists of the Secretary of State, State Auditor and Attorney-General. The following Secretaries are appointed, one to represent each Congressional District: C. H. Gere, B. R. Coudrey, and W. H. Bushow, Secretaries, and H. M. Waring, Bookkeeper and Stenographer. Office, Lincoln, Neb.

New Hampshire. The railroad commission of this State was originally established in 1844 as a single-head commission; the commission as now constituted was established by a law passed in 1883. The present Board consists of Henry M. Putney, Chairman, salary, $2,500; E. B. S. Sanborn, Clerk, salary, $2,200, and E. J. Tenney, Commissioner, salary, $2,000. Appointed by the Governor and Council for 3 years, the term of one member expiring each year. Salaries paid by the railroads. Office, Concord, N. H.

New Jersey. This State has no railroad commission. It has a State Board of Assessors, to assess the tax on all railroads of the State, consisting of Edward Bettle, President, and A. M. Reynolds, Charles A. O'Neill, and A. G. Cattell, Assessors, salaries, $2,500 each; John T. Van Cleef, Secretary, salary, $1,800, and J. E. Maguire, Assistant Secretary, salary, $1,500. Appointed by the Governor, by and with the advice and consent of the Senate, for 4 years. Salaries paid by the State. Office, Trenton, N. J.

New York. The railroad commission of this State was established February, 1883. The present Board consists of John D. Kernan, Chairman, and William E. Rogers and Isaac W. Baker, Commissioners, salaries, $8,000 each; William C. Hudson, Secretary, salary, $4,000; ————, Accountant, and Thomas W. Spencer, Inspector of Railroads, salaries, $3,000 each; Thomas B. O'Neill, Marshall, salary, $1,500, and E. C. McEntee, Stenographer, salary, $1,000. Appointed by the Governor and Senate. Salaries paid by assessment on railroads. Office, Albany, N. Y.

Ohio. This State has a single-head commission, and was established April 5, 1867. The present Commissioner is William Cappeller, salary, $2,000; Richard J. Fanning, Chief Clerk, salary, $1,200, and Frank M. Elliott, Assistant Clerk, salary, $1,000. Appointed by the Governor and Senate for 2 years. Salaries paid by the State. Office, Columbus, O.

Pennsylvania. This State has no railroad commission; statistics of operations, etc., are collected by the Secretary of Internal Affairs, who is elected by the people for 4 years; salary, $3,000. Present incumbent, J. Simpson, Africa. Deputy Secretary, with special charge of railroad statistics, J. W. Greenland. Office, Harrisburg, Pa.

Rhode Island. The railroad commission of this State was established in 1873. The present Commissioner is Walter R. Stiness, salary, $500. Appointed by the Governor for 1 year. Salary paid by the State. Office, Providence, R. I.

South Carolina. The railroad commission of this State was established December 24, 1878. The present Board consists of M. L. Bonham, Chairman, and E. P. Jervey and D'Arcy P. Duncan, Commissioners, salaries, $3,100 each, and M. T. Bartlett, Secretary, salary, $1,200. Appointed by the Governor and Senate for 6 years. Salaries paid by the railroads. Office, Columbia, S. C.

Vermont. The railroad commission of this State was originally established in 1855 as a single-head commission; the commission as now constituted was established by law passed in 1885. The present Board consists of Samuel E. Pingree, Chairman, P. O. Hartford, Vt.; T. C. Fletcher, P. O. St. Johnsbury, Vt., and H. L. Clark, P. O. Castleton, Vt., Commissioners, and Alfred E. Watson, Clerk, P. O. Hartford, Vt. General office, State Library Building, Montpelier, Vt.

Virginia. The railroad commission of this State was established March 31, 1877. The present commissioner is James B. Hill, Jr., salary, $2,000; M. G. Menefee, Clerk, salary, $1,200. Salaries paid by the railroads. Office, Richmond, Va.

Wisconsin. The railroad commission of this State was established March 11, 1874, with 3 Commissioners and Secretary. Reorganized by act passed February 24, 1876, with 1 Commissioner and Secretary. March 9, 1883, the office of Deputy Railroad Commissioner was created. The present Board consists of Atley Peterson, Commissioner, salary, $3,000, and James H. Foster, Deputy Commissioner, salary, $1,500. Appointed by the Governor and Senate for 2 years. Salaries paid by the State. Office, Madison, Wis.

LIBRARY OF THE UNIVERSITY OF CALIFORNIA

CHANGES AND NEW APPOINTMENTS MADE WHILE THE DIRECTORY WAS GOING THROUGH THE PRESS.

Addison and Northern Pennsylvania RR.—This road is now known as Addison and Pennsylvania RR.

Arizona Mineral Belt RR.—The addresses of the officers of this company are as follows: J. W. Eddy, Boston, Mass.; A. A. McDonell, Flagstaff, Ariz.; G. E. White, Globe, Ariz P. Shaw has been appointed Treasurer, vice J. P. Whitehead, with office at Flagstaff, Ariz.

Arkansas Valley Route.—J. A. Woodson is Assistant General Freight and Passenger Agent, with office at Little Rock, Ark.

Atchison, Topeka and Santa Fé RR.—C. W. Smith is 1st Vice-President; J. F. Goddard, General Manager; C. A. Parker, Assistant General Freight Agent, vice J. A. Phillippi; F. C. Gay, Assistant General Freight Agent, with office at Kansas City, Mo.; W. F. White, General Traffic Manager; G. T. Nicholson, General Freight and Passenger Agent; George L. Sands, General Superintendent, vice D. J. Chase; Charles A. Marsh, Travelling Agent, Buffalo, N. Y.; Robert Kinnard, Division Freight and Ticket Agent, Wichita, Kan. (New Mexico and Arizona RR.)—H. T. Richards, vice J. H Scott. (Sonora RR.)—J. F. Goddard, vice A. A. Robinson; H. T. Richards, vice J. H. Scott. (Chicago, Kansas and Western RR.)—George L. Sands, General Superintendent, Topeka, Kan.

Atlantic and Pacific RR. (Revised List.)—Albuquerque to Mojave, 815 miles.

1	Henry C. Nutt	*President*	Boston, Mass.
2	E. F. Winslow	*Vice-President*	New York, N. Y.
3	W. B. Strong	*2d Vice-Pres.*	Boston, Mass.
4	C. W. Smith	*Gen. Manager*	Topeka, Kan.
5	J. H. Scott	*Superintendent*	Albuquerq., N.M.
6	H. W. Gardiner	*Sec. & Treas.*	Boston, Mass.
7	D. L. Gallup	*Auditor*	" "
8	F. E. Hancock	*Act'g Auditor*	Albuquerq., N.M.
9	L. H. Northrup[2 7 8 11]	*Local Auditor*	" "
10	C. A. Hawks[3 4 9 10]	*Cashier*	" "
11	James Moore	*Paymaster*	Topeka, Kan.
12	W. B. Biddle	*Div. F. & P. Ag.*	Albuquerq., N.M.
13	Geo. F. Brydon	*Ass't G.P.Agt.*	" "
14	H. C. Bush	*A. A. & P. F. F. L*	S. Francisco, Cal.
15	J. S. Inglis	*C.A.A.&P.F.F.L*	" "
16	W. A. Bissell	*General Agent*	" "
17	F. F. Berry	*Ticket Agent*	" "
18	J. A. Williamson	*Land Comm'r*	Boston, Mass.
19	R. A. Matthews	*Supt. Road De.*	Albuquerq., N.M
20	George Hackney	*Supt. Mach*	Topeka, Kan.
21	A. C. Armstrong	*Purch. Agent*	" "
22	C. T. McLellan	*Supt. Cal. Div.*	Needles, Cal.
23	Andrew Smith	*Supt. Ariz. Div.*	Albuquerq., N.M.
24	T. M. Daly	*Supt. Teleg.*	" "
25	B. C. Bosworth	*Div. Mast. Mech*	Needles, Cal.
26	B. F. Caldwell	*Div. Mast. Mech*	Winslow, Ariz.
27	T. Ainsworth	*Div. Mast. Mech*	Albuquerq., N.M.
28	A. B. Ostrander	*For. Water Ser.*	Peach Sprin., Ariz
29	Z. Gervais	*Mast. C. Paint.*	Albuquerq., N.M.
30	J. H. Kuhns	*Gen. S Keeper.*	" "
31	S. M. Rowe	*Res. Engineer.*	" "

32 *Road Masters.*—David Carstairs, Williams, A. T.; C. L. Nelson, Daggett, Cal.; James Young, Coolidge, N. M.; E. G. York, Peach Springs, Ariz.

General office, 87 Milk St., Boston, Mass.

Atlantic Coast Line.—J. F. Post, Jr., has been appointed Treasurer, vice J. W. Thompson, resigned.

Baltimore and Ohio RR.—W. M. Clements, Manager, with office at Baltimore, Md.; A. J. Crowell, Superintendent Motive Power, vice W. H. Harrison; A. H. Johnson, Engineer Maintenance of Way, with office at Baltimore, Md.; S. B. Crawford, Master Mechanic, vice Andrew Beckert; John Adair, Master Mechanic, vice S. B. Crawford; J. A. Spielman, Road Master Chicago Division, vice John Merrion; W. H. Harrison, Superintendent Motive Power, Newark, O.; David Lee, Superintendent Maintenance of Way, Newark, O.; F. Frazise, Master Mechanic Philadelphia Division, Philadelphia, Pa.

Bangor and Portland Ry.—Joseph Heintzelman, Master of Transportation, Bangor, Pa.

Bath and Hammondsport RR.—S. S. Reynolds, Engineer, resigned and office abolished; Julian Farrell is Master Mechanic, Hammondsport, N. Y.

Bay Ridge and Annapolis RR.—Bay Ridge to Annapolis, 4 miles.

1	Hugh L. Bond, Jr.	*President*	Baltimore, Md.
2	J. Wirt Randolph	*Vice-President*	Annapolis, Md.
3	G. A. Slaughter	*Sec. & Treas.*	Baltimore, Md.

Blue Springs, Orange City and Atlantic RR.—J. D. Hollister, General Superintendent and Engineer, vice S. B. Carter.

Boston and Albany RR.—Joseph C. Lenix, General Baggage Agent, vice G. A. Morton.

Boston and Providence RR.—Samuel L. Minot, Engineer, and George B. Francis, Assistant Engineer, with offices at Boston, Mass.

Bradford, Bordell and Kinzua RR.—G. T. Griggs, Treasurer, vice George A. Eckbert.

Brunswick and Western RR.—Daniel B. Overton, Master Mechanic, vice W. R. Kline.

California Short Line RR.—C. W. Bennett, Vice-President, vice Allen G. Campbell; J. E. Bamburger has been appointed Purchasing Agent, with office at Salt Lake City, Utah; the office of Chief Engineer is at Moroni, Utah.

Cairo, Vincennes and Chicago Line.—John A. Quinn has been appointed Master Mechanic, vice F. W. Stapf, resigned; E. W. Magee, Northern Passenger Agent, with office at Danville, Ill.

Canadian Pacific Ry.—J. G. Ogden has been appointed Comptroller, with office at Montreal, Que.; H. L. Perry has been appointed Auditor of Disbursements; C. J. Flanagan, Auditor Freight and Telegraph Receipts, and J. H. Shearing, Auditor Passenger Receipts, with offices at Montreal, Que.; H. P. Timmerman, Superintendent Thunder Bay Section, vice J. Niblock, who has been transferred to the Pacific Division, same section, and office at Medicine Hat, N. W. T.

Central RR. of Georgia.—W. P. Savage has been appointed Superintendent; J. G. Robinson, Auditor of Receipts; Joseph Rosenbaum, Travelling Auditor; Edward McIntyre, Comptroller, with offices at Savannah, Ga.; R. E. Nims, Paymaster, vice W. O. Charlton. (Port Royal and Augusta RR.)—E. P. Alexander, President, vice W. G. Raoul; M. S. Belknap, General Manager, vice J. W. Green.

Central Vermont RR.—W. Raymond has been appointed General Excursion Agent, with office at Boston, Mass. (New London Northern RR.)—J. A. Southern, General Freight Agent, New London, Conn.

Chicago and Alton RR.—J. W. Donald has been appointed City Passenger Agent, with office at Boston, Mass.; S. H. Fulton, vice F. A. Wann, with office at Kansas City, Mo.; W. J. Bogart, vice S. H. Fulton.

Chicago, Burlington and Quincy RR.—T. J. Potter having resigned, the office of 1st Vice-President is abolished; J. C. Peasley is Vice-President and Treasurer. (Burlington and Missouri River RR.)—F. M. Glenn, Cashier, vice C. J. Ernst (Chicago, Burlington and Kansas City RR.)—T. C. Howland having resigned, J. H. Sturgis becomes Secretary, Assistant Treasurer and Auditor; R. J. McClure has been appointed Consulting Engineer, with office at Chicago, Ill; H. H. Trimble, General Attorney, with office at Keokuk, Ia. (Hannibal and St. Joseph RR.)—Robert Wells, Assistant General Southwestern Passenger Agent, with office at Kansas City, Mo.; I. T. Dyer, Superintendent Telegraph, vice G. M. Hohl. (Kansas City, St. Joseph and Council Bluffs RR.)—G. M. Hohl, Superintendent, vice J. R. Hardy; I. T. Dyer, Superintendent Telegraph, vice G. M. Hohl.

Chicago and Eastern Illinois RR.—R. M. Hoe, President, vice H. H. Stevens; H. H. Stevens, Vice President, vice George H. Ball.

Chicago, Kansas and Nebraska RR.

1 M. A. Low.....	*President*	Topeka, Kan.
2 H. A. Parker.....	*V.-P. & C. Eng.*	" "
3 C. W. Fishor.....	*Gen. Manager.*	" "
4 D. Atwood	*Gen. Fgt. Agt.*	" "
5 W. I. Allen	*Superintendent*	Horton, Kan.
6 Jno. Sebastian ...	*Gen. P. & T. A.*	Topeka, Kan.
7 C. F. Gilson.....	*Sec. & Treas...*	" "
8 C. F. Newton.....	*S Rdy, B & Bu.*	" "
9 H. T. Morris	*Auditor.... ...*	" "
10 T. J. Anderson....	*Gen. Agent....*	" "
11 W. S. Taylor.....	*Fuel & Car Agt.*	" "
12 G. D. Martin.....	*Car Account'nt*	" "
13 W. Hodson	*Paymaster ....*	" "
14 J. H. Kirk	*Master Mech...*	Horton, Kan.
15 B. Bailey.....	*Train Master..*	Topeka, Kan.

Chicago, Milwaukee and St. Paul RR.—Alexander Mitchell having died, the Presidency has not yet been filled; E. W. McKenna, Superintendent Prairie Du Chien Division, vice S. J. Collins; S. J. Collins, Superintendent Kansas City Division, office at Kansas City, Mo.; F. S. Atkins, Assistant Superintendent Northern Division, vice C. P. Utley.

Chicago and Northwestern RR.—Marvin Hughitt, President, vice Albert Keep; Clarence C. Spooner, Train Dispatcher, with office at Escanaba, Mich.

Chicago, Rock Island and Pacific RR.—M. J. Leahy, Travelling Passenger Agent, Buffalo, N. Y.; S. O. Brooks, General Western Freight Agent, vice Arthur Gower, with office at Kansas City, Mo. (Des Moines Valley Division, formerly Keokuk and Des Moines Division.) C. N. Gilmore, Superintendent, vice John Given.

Chicago, Santa Fé and California RR.—C. W. Smith has been appointed 1st Vice President and General Manager; A. A. Robinson, 2d Vice-President and Chief Engineer.

Chicago and Western Indiana RR.—P. H. Peck has been appointed Master Mechanic, vice R. W. Johnson.

Cleveland, Akron and Columbus RR.—E. C. Janes having resigned the position of General Freight and Passenger Agent, C. O. Wood has been appointed General Passenger Agent, and H. B. Durham, General Freight Agent.

Colorado Midland RR.—T. M. Davis, First Vice-President, vice J. B. Wheeler; B. S. Fitch has been appointed Traffic Manager, and Charles S. Lee, General Passenger Agent. The offices of all officers of this company is at Denver, Col

Dayton, Fort Wayne and Chicago RR.—Formed by consolidation of the Dayton and Ironton and the Dayton and Chicago Railroads.

1 F. B Loomis... ...	*President*	New York, N. Y.
2 M. C. Allison.....	*Vice-President*	Xenia O.
3 W. C. Boone.....	*Sec. & Treas* ..	New York, N. Y.
4 F. H. Short	*A. Sec. & Treas.*	Cincinnati, O.
5 C. C. Waite	*Gen. Manager.*	" "
6 J. E. Gimperling ..	*General Supt...*	Dayton, O.
7 N. P. Ramsey.. ...	*Auditor.....*	" "

Denver and Rio Grande RR.—Sylvester T. Smith has been appointed General Manager, with office at Denver, Col.

East Tennessee, Virginia and Georgia RR.—C. H. Hudson has been appointed General Superintendent, with office at Knoxville, Tenn.; E. B. Thomas, General Manager, and Peyton Randolph, Assistant General Manager, with offices at Washington, D. C.; and Solomon Haas, Traffic Manager, Washington, D. C.

East and West RR. of Alabama.—George H Pell, President, vice E. F. Browning; John Postell, Vice-President and General Manager, vice A. G. West; P. B. Hazard, Secretary and Treasurer, vice J. H. Browning; T. J. Nicholl, formerly General Manager and General Passenger and Freight Agent, is now General Freight and Passenger Agent. Offices, Cedartown, Ga.

Elmira, Cortland and Northern RR.—Albert Allen has been appointed General Superintendent, with office at Elmira, N. Y.; F. C. Fiske, General Agent for Freight and Passenger Departments, with office at Canastota, N. Y.

Evansville and Terre Haute RR. (Peoria, Decatur and Evansville RR.).—W. J. Lewis, Treasurer, vice R. A. Bunker.

Fall Brook Coal Co.—James Collard has been appointed Assistant Auditor, with office at Corning, N. Y.

Florida Southern RR.—J. A. Larnard, General Freight and Passenger Agent, vice O. W. Bromwell.

Fort Wayne, Cincinnati and Louisville RR.—R. F Kinnaird having resigned, the Ticket Office will be consolidated with the Freight Department, with S. A. Wikel as General Freight and Ticket Agent.

Georgia Midland and Gulf RR.—T. C. S. Howard has been appointed Auditor.

Gulf, Colorado and Santa Fé RR.—W. B. Strong, President, vice George Sealy, Boston, Mass.; C. W. Smith, 1st Vice-President, vice R. S. Willis, Topeka, Kan.; Dr. J. J. Ranson, Chief Surgeon, with office at Chicago, Ill.; D. L. Gallup, Acting Treasurer; J. M. Phillips, Superintendent; J. W. Clarke, Engineer in charge of roadway; P. E. Fairchild, Auditor, and George Peck, General Solicitor, with office at Topeka, Kan.

Hanover Branch Ry.—This line is now operated as the Hanover Branch of the Old Colony RR.

Housatonic RR.—W. H. Stevenson has been appointed Vice-President and General Manager, with office at Bridgeport, Conn; W. K. Lyon, Superintendent, vice H. A. Bishop; F. C. Payne, Superintendent of Danbury and Norwalk Division, with office at Danbury, Conn.; W. F. Smith, Division Freight Agent, having resigned, that office is abolished.

Kansas and Gulf Short Line Ry.—This Company was purchased by and now forms an integral part of the St. Louis, Arkansas and Texas RR., which see. D. Miller has been appointed General Freight and Passenger Agent, with office at St. Louis, Mo.

Kansas, Nebraska and Dakota Ry.—J. A. Pierce has been appointed Division Superintendent.

Kingman, Pratt and Western RR.—F. M. Hill, General Freight and Passenger Agent, with office at Wichita, Kan.

Lake Erie and Western RR.—Thomas W. Lee, General Passenger Agent, vice G. W. Smith. (Indianapolis and Michigan City Division.)—S. B. Sweet's title, instead of being Freight and Passenger Agent, should be Commercial Agent, with address, Indianapolis, Ind.

Lake Shore and Michigan Southern RR.—L H. Clark is Consulting Engineer, and G. R. Hardy is Chief Engineer; Frank P. Whitney, Western Passenger Agent, vice W. P. Johnson, resigned.

Lake Side and Marblehead RR.—New Danbury, O., to Marblehead, O., 7 miles.

1 E. H. Brennan.....	*Pres. & G. M...*	Toledo, O.
2 Thos. Flesher, Jr	*Vice-Pres....*	Cleveland, O.
3 D. K. Stevens.....	*Secretary.....*	Toledo, O.
4 W. O Chapman...	*Treasurer.. ...*	Boston, Mass.
5 Albert Rokusek...	*Gen. Fgt. Agt.*	Cleveland, O.

General office, Toledo, O.

Lehigh Valley RR.—William S. Spiers has been appointed Assistant General Freight Agent, Bethlehem, Pa. W. C. Morris, Jr., has been appointed Auditor of Coal Freights.

Louisville, Evansville and St. Louis RR.—I. Z. Dunn has been appointed Chief Engineer, with office at New Albany, Ind.; W. S. Martin, Master of Transportation, Louisville, Ky.; George W. Curtis is General Passenger and Ticket Agent, instead of Assistant.

Louisville and Nashville RR.—N. M. Newbold, Assistant to General Manager, vice William A. Kelloud; H. F. Smith, Superintendent South and North Alabama Division, vice R. S. Minor.

Louisville, New Albany and Chicago RR.—R. W. Glading, Purchasing Agent, vice A. S. Dunham.

Louisville, New Orleans and Texas Ry.—P. L. Davis has been appointed Car Accountant, with office at Vicksburg, Miss.

Mason City and Fort Dodge RR.—W. J. McMillen has been appointed Roadmaster, vice J. A. Cripp n, resigned; J. A. Ross, Master of Bridges and Buildings, Fort Dodge, Ia.

Memphis and Little Rock RR.—S. W. Tucker, Acting General Freight and Ticket Agent, vice D. Miller, General Freight and Ticket Agent.

Michigan Central RR.—William J. Steinworth has been appointed Southern Agent, with office at Toledo, O.

Milwaukee, Lake Shore and Western RR.—C. L. Ryder has been appointed General Agent, with office at Chicago, Ill.

Minneapolis and St. Louis Ry.—George E. Smith has been appointed Assistant General Freight Agent, with office at Minneapolis, Minn.

Minneapolis, Sault Ste. Marie and Atlantic Ry.—C. W. Gardner has been appointed Auditor, with office at Minneapolis, Minn.

Minnesota and Northwestern RR.—George C. McMichael has been appointed Superintendent of the Des Moines Division, running from Oelwein to Des Moines. (Chicago, St. Paul and Kansas City Ry.). Raymond Du Puy, General Manager, vice George C. McMichael, with office at St. Paul, Minn. J. A. Hanley has been appointed Traffic Manager, with office at St. Paul, Minn.

Missouri Pacific Ry. System.—Thomas F. Fisher has been promoted from Live Stock Agent at Dallas, Tex., to Assistant General Passenger and Freight Agent, with office at Wichita, Kan.; J. A. Wilson has been appointed Commercial Agent at Omaha, Neb.; J. C. Jennings, Commercial Agent at Sedalia, Mo.; H. C. Logan, Eastern Freight Agent, New York, N. Y.

Nashville and Florence RR.—The name of this road has been changed to the Nashville, Florence and Sheffield Ry.

Natchez, Jackson and Columbus RR.—T. J. Nicholl has been appointed General Manager, vice T. S. Williams, Superintendent, resigned.

New London Northern RR.—W. C. Fish has been appointed Paymaster and Local Cashier; J. A. Allen, Superintendent of Transportation, and J. A. Southard, Assistant General Freight Agent, with offices at New London, Conn.

Newport News and Mississippi Valley Co.—C. T. Dabney, Superintendent 1st Division, vice J. W. Hopkins.

New York, New Haven and Hartford RR.—C. T. Hempstead is General Passenger Agent in place of General Passenger and Ticket Agent; J. N. States becoming General Ticket Agent, with office at New Haven, Conn.

New York and Sea Beach RR.—Theodore Driscoll has been appointed General Ticket Agent, with office at New York, N. Y.

Northern Pacific RR.—W. T. Small, Superintendent Motive Power, Machinery and Repair Shops, vice G. W. Cushing, resigned; N. D. Root, Superintendent Montana Division and Branch, vice F. L. Richmond; C. B. Cole, Superintendent of the Pacific and Cascade Division, with office at Tacoma, W. T., vice Otis Sprague; C. S. Powell, Assistant Superintendent Cascade Division, Ellensburg, W. T.; the office of Paul Schulze, General Land Agent, is now located at Tacoma, W. T.; Thomas Henry, Travelling Passenger and Land Agent, Montreal, Can.

Owensboro and Nashville Ry.—E. H. Mann, Superintendent, vice W. M. Newbold, resigned.

Pennsylvania Company.—J. G. Ruple, District Passenger Agent, vice J. H. Smith, resigned.

Pennsylvania System (New York, Philadelphia and Norfolk RR.).—R. B. Cooke has been appointed General Agent.

Peoria and Pekin Union Ry.—T. T. Dwight has been appointed Accountant, with office at Peoria, Ill.

Philadelphia and Reading RR.—G. W. Cushing has been appointed Superintendent Motive Power, with office at Reading, Pa. C. M. Lawler, Superintendent Mahanoy Division, vice A. A. Hesser, resigned; H. J. Small, Assistant Superintendent Motive Power, Reading, Pa.

Portland and Willamette Valley RR.—C. F. Crocker, President, vice William Reid; William Reid, 1st Vice-President, and Timothy Hopkins, 2d Vice-President.

Providence and Worcester RR.—J. J. Chamberlain has been appointed General Baggage Agent, with office at Providence, R. I.

Queen and Crescent Route. (Cincinnati, New Orleans and Texas Pacific Ry. Co.).—C. C. Harvey has been appointed Vice-President, with office at Cincinnati, O., and will also continue to act as Comptroller.

Richmond and Danville RR.—Henry Fink has been appointed 4th Vice-President, with office at New York, N. Y. C. M. Crump, Auditor, with office at Richmond, Va.

Rome and Decatur RR.—*Officers:*

John C. Printup.....	*President*.....	Rome, Ga.
George H. Pell.....	*Vice-Pres*.....	" "
C. P. Currie.....	*Treasurer*.....	" "
Joseph J. Printup....	*Sec. & As. Tr.*..	" "
R. H. Cooper	*Au. & GF&PA.*	" "
Daniel Callahan.....	*Supt. of Const.*	" "

General office, Rome, Ga.

Rome, Watertown and Ogdensburg RR.—L. A. Emerson, General Traffic Manager, vice H. D. Carter, Acting General Traffic Manager, with office at New York, N. Y.

St. Louis and Chicago RR.

1 D. L. Wing	*Pres. & G. M.*..	Springfield, Ill.
2 R. S. Hodgson	*Sec. & Treas*...	" "
3 A. J. Moorhead....	*GF&PA&Aud*	" "
4 L. S. Graves..	*Superintendent*	" "

St. Louis, Arkansas and Texas Ry.—D. Miller has been appointed General Freight and Passenger Agent, vice A. S. Dodge, resigned.

St. Louis Cable and Western Ry. (Revised List.) (*steam road*).—St. Louis to Florissant, 16 miles. *Cable Division*—In St. Louis, 3 miles—total, 19 miles.

1 Dwight Tredway...	*Pres. & G.Man.*	St. Louis, Mo.
2 A. de Figueriedo...	*Secretary*.....	" "
3 Manning Tredway.	*Treasurer*.....	" "

General office, St. Louis, Mo. Branch office, Indianapolis, Ind.

St. Louis and San Francisco Ry.—John O'Day has been appointed Vice-President, vice C. W. Rogers; Henry L. Morrill, 2d Vice-President, vice John O'Day promoted.

St. Louis, Kansas City and Colorado RR.—St. Louis to Union, 59.8 miles.

1 F. E. Hinckley	*President*.....	St. Louis, Mo.
2 D. L. Gallup.....	*Sec. & Treas*...	" "
3 S. T. Emerson.....	*Superintendent*	" "
4 D. L. Gallup.....	*Gen. Fgt. & T. A*	" "
5 S. T. Emerson.....	*Chief Engineer*	" "
6 John Gallup.....	*Asst. Treas* ..	" "
7 John C. Orrick.....	*Coun. & Solic.*	" "
8 J. K. Lape	*Su. M. P. & Mach*	" "

St. Paul, Minneapolis and Manitoba Ry.—W. P. Clough has been appointed Assistant to President, with office at St. Paul, Minn.

San Joaquin and Sierra Nevada RR. (Revised List).—Bracks to Valley Spring, Cal., 40 miles.

1 Chas. F. Crocker	*President*	S. Francisco, Cal.
2 Timothy Hopkins	*Vice-President.*	" "
3 F. S. Donty	*Sec. & Treas.*	" "
4 W. W. Pugh	*Gen. Supt.*	Stockton, Cal.

General office, Fourth and Townsend Sts., San Francisco, Cal.

Shenango and Allegheny RR.—A. S. Dunham has been appointed General Superintendent, with office at Greenville, Pa.

Southern Pacific Company. (Revised list and corrections). J. S. Noble's address (735 23) should be Tucson, instead of Tuscan, Ariz.; 735-26, B. O. Conner, vice J. J. Tracey; P. Hanson, vice W. M. Patterson; Joseph Mott's address is Dunsmuir, Cal., instead of Redding, Cal.; C. E. Stevens should be C. E. Stephens; E. J. Mulvihill, vice C. K. Lamble; C. C. Maag, vice E. J. Mulvihill.

NEW APPOINTMENTS AND NAMES NOT PREVIOUSLY REPORTED.

Wm. Sproule	*Ass't G. F. A.*	S. Francisco, Cal.
E. F. Gerald	*Trav. Aud.*	" "
S. R. Chappell	*Trav. Aud.*	" "
W. A. Taylor	*Trav. Aud.*	" "
W. R. Ormsby	*Storekeeper*	Sacramento, Cal.
J. W. Dayan	*Stationer*	S. Francisco, Cal.
R. L. Myrick	*Div. Supt.*	Oakland, Cal.
W. W. Prugh	*Div. R. Mast.*	Stockton, Cal.
G. A. Fayle	*Road Master*	Santa Paula, Cal.

Bridges and Buildings Department.

Wm. Cruse	*Foreman Shops*	W. Oakland, Cal.
C. C. Comstock	*Bridge Insp't'r*	" "
D. Robertson	*Fm. Construct.*	" "
J. Crichton	*Fm. Construct.*	S. Francisco, Cal.
Wm. Thomas	*Fm. Construct.*	Stockton, Cal.
John T. Reed	*Fm. Construct.*	Merced, Cal.
J. S. Fritts	*Fm. Construct.*	So. Vallejo, Cal.
T. J. Davis	*Fm. Construct.*	Red Bluff, Cal.
P. F. Scott	*Fm. Construct.*	Blue Canon, Cal.
E. H. Wright	*Fm. Construct.*	Carlin, Nev.
Thos. Humphreys	*Fm. Construct.*	Los Angeles, Cal.
G. W. Barnhart	*Fm. Construct.*	Tucson, Ariz.
H. L. Steven-on	*Trav. Engineer*	Sacramento, Cal.
A. H. Woodin	*Fm. Round H*	Dunsmuir, Cal.
C. F. Hall	*Fm. Mach. Shp*	Tulare, Cal.
Harry Russell	*Fm. Round H.*	Los Angeles, Cal.

A. Becker, vice George Driggs; 54, A. Sherburne, Foreman Shops; 55, Charles Gill, Foreman Car Shops; 57, James Ray, vice F. Thayer; B-5, Joseph Murphy, vice J. T. Murphy; 9, office of Train Master abolished.

(c) ATLANTIC SYSTEM, comprising the following lines of road: Galveston, Harrisburg and San Antonio Ry., 936 miles; Texas and New Orleans RR., 208 miles; Louisiana Western RR., 112 miles; Morgan's Louisiana and Texas RR., 283 miles; New York, Texas and Mexican Ry., 92 miles; Gulf, Western Texas and Pacific Ry., 66 miles.

1 J. G. Schriever	*Traffic Man*	New Orleans, La.
2 J. Kruttschnitt	*Ass't Manager.*	" "
3 J. B. Richardson[3 4 9 10]	*Local Treas.*	" "
4 E. M. Underhill[2 7 8 11]	*Gen. Auditor*	" "
5 P. L. Queyrouze	*G. A., G., H. & S. A. Ry. Sys.*	Houston, Tex.
6 W. H. Albertson	*Paymaster*	Algiers, La.
7 W. C. Watson	*G. P. & Tkt. A.*	New Orleans, La.
8 C. C. Gibbs	*Gen. Ft. Agt. & Land Com.*	Houston, Tex.
9 C. W. Polk	*Ass't Land Ag.*	" "
10 J. J. Ryan	*Mast. Mech.*	San Antonio, Tex
11 D. A. Sullivan	*Gen. Bag. Agt*	Houston, Tex.
12 F. Borge	*G.B.A. Lines E.of L'fayette*	New Orleans, La.
13 H. J. Leroy	*Attorney*	" "
14 E. P. Hill	*Attorney*	Houston, Tex.
15 C. Trumpy	*Purch. Agent.*	New Orleans, La.
16 J. S. Dunlay	*M. of Transp.*	Houston, Tex.

Division Superintendents.

W. F. Owen	*S. Morgan Div.*	New Orleans, La.
W. G. Van Vleck	*S. Louisiana D.*	Houston, Tex.
M. D. Montserrate	*S. Victoria Div.*	Cuero, Tex.
John M. Queeney	*S. S. Antonio D.*	San Antonio, Tex
J. J. E. Lindberg	*S. El Paso Div.*	El Paso, Tex.

Motive Power and Machinery Department.

J. J. Ryan	*M. M. L'fayette to El Paso.*	San Antonio, Tex
J. D. Connell	*M. M. Morgan RR & S S.*	Algiers, La.
H. Frint	*As. M. M. Morgan RR.*	Lafayette, La.
James Mooney	*M. M. Victoria D*	Cuero, Tex.
R. L. Herbert	*Foremen Loco. Repr.*	Algiers, La.
Wm. Sinnott		Houston, Tex.
Ed. Ryan		San Antonio, Tex
H. Elert		El Paso, Tex.

Motive Power and Machinery Department—Continued.

J. Hildebrand	*M. C. B. Morgan RR.*	Algiers, La.
J. R. Cade	*Foremen Car Car Repr.*	Harrisburg, Tex.
J. Masterson		Houston, Tex.
A. Fuller		San Antonio Tex
H. Borcherding		El Paso, Tex.
Wm. King		Cuero, Tex.
A. J. Jourde	*Foremen Car Painters*	Harrisburg, Tex.
C. W. Smith		Algiers, La.

Bridges and Buildings Department.

J. R. Adams	*Supt. B. & B.*	Houston, Tex.
W. A. Lutes	*Foreman*	Algiers La.
A. McDonald	*Foreman*	Houston, Tex.
J. F. France	*Foreman*	San Antonio, Tex

Track Department.

C. C. Mattard	*Road Master*	Algiers, La.
John Cullen	*Road Master*	Lafayette, La.
P. Crowley	*Road Master*	" "
Jno. Grogan	*Road Master*	Houston, Tex.
Jno. Kennedy	*Road Master*	" "
Thos. Hanner	*Road Master*	Woodville, Tex.
Jas. Beaumont	*Road Master*	Victoria, Tex
Jas. Kirby	*Road Master*	Schulenberg, Tex
J. P. Kelly	*Road Master*	San Antonio, Tex
L. Feeby	*Road Master*	Del Rio, Tex.
P. McCabe	*Road Master*	Marfa, Tex.
T. Fitzpatrick	*Road Master*	Sierra Bl'nca, Tex

Commercial and Freight Agents.

E. Hawley	*Gen. East. F. & Pas. Agt.*	339 Broadway, New York, N.Y
L. H. Nutting	*East. Pas. Agt.*	339 Broadway, New York, N.Y
E. E. Currier	*New Eng. Agt.*	192 Washington St., Boston, Mas
C. F. Smurr	*A. G. F. & P. Ag.*	Los Angeles, Cal.
G. W. Fletcher	*Com. Agent.*	613 Market St., S. Francisco, Cal
Asa Kellogg	*Gen. Agent.*	116 N. 4th St., St. Louis, Mo.
W. H. Harper	*Gen. Agent.*	El Paso, Tex.
Rudolph Falck	*Gen. European Pass. Agent.*	8 Deichthor Str., Hamburg, Ger., & 7 India Bdgs, Liverpool, England.
W. C. Gregory	*Trav. Pas. Agt.*	Cincinnati, O.
G. W. Ely	*Trav. Pas. Agt.*	Montgomery, Ala.
P. Gray Nichols	*Trav. Pas. Agt.*	Galveston, Tex.
C. E. Miner	*Trav. Pas. Agt.*	El Paso, Tex.
W. Choupian	*Trav. Pas. Agt.*	Havana, Cuba.
E. H. Stevenson	*Pass. Agent*	Atlanta, Ga.
H. M. Van Arman	*Trav. Pas. Agt.*	Chicago, Ill.
C. B. Turrell	*Pass. Agent.*	S. Francisco, Cal.
Quong Long Kee	*Chi. Pass. Agt.*	New Orleans, La.

All other officers same as given on pages 169 to 163 of this Directory.

Syracuse and Baldwinsville RR.—M. T. Garvey has been appointed General Freight and Passenger Agent, with office at Baldwinsville, N. Y.

Syracuse, Ontario and New York RR.—George H. Graves, Superintendent vice Albert Allen, resigned. He will also act as General Freight, Passenger and Purchasing Agent.

Texas and Pacific RR.—C. H. Meade, General Foreman Car Shops, vice F. M. Alexander, resigned; J. G. Piersol, Division Superintendent, vice J. H. Redmon, resigned; Z. A. Mills, Pacific Coast Freight Agent, vice H. C. Logan.

Texas, Santa Fé and Northern RR.—A. C. Runkle has been appointed Chief Engineer, with office at Santa Fé, N. M.

Texas Western Ry. (Revised List).—Houston to Sealey, 54 miles.

1 Geo. C. Rives	*Receiver*	Houston, Tex.
2 Geo. C. Smith	*Gen. Manager*	" "
3 S. Packard	*Aud. & G. Fgt. A.*	" "

General office, Houston, Tex.

Toledo, Ann Arbor and North Michigan Ry.—Henry Smith, Acting Road Master, vice C. L. Davis, Road Master.

Toledo, St. Louis and Kansas City RR.—J. O. Osgood is Chief Engineer, not Chief Engineer and Superintendent Transportation Department.

Union Pacific Ry.—Thomas J. Potter is now Vice-President and General Manager; Richard Anderson has been appointed General Travelling Auditor, with office at Omaha, Neb.; W. H. Baldwin, Jr., General Agent Passenger and Ticket Department, vice C. W. Scott, resigned.

Vandalia Line.—Revised list of the Corporate Officers of the Terre Haute and Indianapolis RR. is as follows:

1 Henry S. Ives	*President*	Cincinnati, O.
2 C. C. Waite	*V.-Pres. & G. M.*	" "
3 Joseph Hill	*Asst. G. Man.*	Terre Haute, Ind.
4 F. H. Short	*Sec. & Treas.*	Cincinnati, O.
5 G. E. Farrington	*Asst. Secretary*	Terre Haute, Ind.
6 J. W. Cruft	*Asst. Treasurer*	" "

Charles Neilson has been appointed General Superintendent, vice Joseph Hill, promoted.

Wabash Ry.—Samuel B. Knight has been appointed General Freight Agent, vice Milton Knight, resigned; Frank H. Tibbetts, Assistant Freight Agent, and Emory E. Fleming, Division Freight Agent, with office at Decatur, Ill.

Western Counties RR.—Frank Killam is now President, vice L. E. Baker, resigned.

York and Peach Bottom Ry.—George M. Jacobs is now Master of Machinery, vice George W. Hoover, resigned.

Zanesville and Ohio River RR.—James H. Andrews has been appointed Assistant Treasurer, with office at Zanesville, O., and W. T. McBride, Auditor and General Freight and Passenger Agent, with office at Zanesville, O.

G. P. BANGS, President. H. M. CROSS, Secretary. E. E. PRATT, Treasurer.

THE

Desha Lumber and Planting Co.

MANUFACTURERS OF

OAK, ASH, HICKORY, GUM and ELM LUMBER.

SPECIALTIES.

Lumber for Export; Dimension Orders for Bridge and Car Builders and Agricultural Implement Manufacturers. Plain and quarter-sawed White and Red Oak, Ash, and Gum, for Furniture and Finishing.

Mills at Arkansas City, Arkansas. Home Office, No. 60 Congress St., Boston, Mass.

W. B. DUTTON, General Manager.

REVISED STATEMENTS OF STREET RAILROADS.

STATE OF ARKANSAS.

Fort Smith Street RR. Co. operates 2 miles of road, owns 40 mules and 5 cars. *Directors*, Samuel McLoud, Henry Reutzel, Jas. M. Sparks, Geo. T. Sparks, Ben. T. Duval, Fort Smith, Ark.—Samuel McLoud, *Pres.*, B. T. Duval, *Vice-Pres.*, G. T. Sparks, *Sec.*, W. A. Evans, *Supt.*—GENERAL OFFICE, Fort Smith, Ark.

STATE OF CALIFORNIA.

Clay Street Hill (Cable) RR. Co. The director's name Henry Steinneyger should be Henry Steinnegger.

Fourth Street RR. Co. should be Fourteenth Street RR. Co. Operates 8 miles of road, owns 50 horses and 10 cars.—Walter Blair, *Pres. & Supt.*, P. J. Van Lobenscls, *Sec.*, Montgomery Howe, *Treas.*—GENERAL OFFICE, Oakland, Cal.

North Beach and Mission RR. Co. operates 8.5 miles of road, owns 350 horses and 74 cars. *Directors*, J. R. Spring, J. T. Boyd, Jerome Lincoln, Wm. Alvord, H. D. Coggswell, J. C. Wilmerding, Albert Meyer, F. H. Woods, San Francisco, Cal.—Albert Meyer, *Pres.*, J. T. Boyd, *Vice-Pres.*, H. W. Hathorne, *Sec.*, Wm. Alvord, *Treas.*, M. Skelly, *Supt. & Pur. Agt.*—GENERAL OFFICE, Fourth and Louisa Sts., San Francisco, Cal.

Second Street Cable RR. Co. operates 1.6 miles of road, owns 6 dummies and 6 cars. *Directors*, Jas. McLoughlin, A. I. Hall, D. W. Field, Chas. McLoughlin, Los Angeles, Cal.—Jas. McLoughlin, *Pres.*, H. W. Davis, *Sec.*, *Treas. & Supt.*, E. H. Hutchinson, *Asst. Supt.*—GENERAL OFFICE, Second and Figueroa Sts., Los Angeles, Cal.

Sutter Street RR. Co. operates 5.5 miles of road, owns 185 horses, 50 horse-cars and 20 cable-cars. *Directors*, R. F. Morrow, J. L. Schmitt, J. Napthaly, F. J. Low, R. G. Byxbee, San Francisco, Cal.—R. F. Morrow, *Pres.*, J. L. Schmitt, *Vice-Pres.*, A. K. Stevens, *Sec.*, M. Schmitt, *Treas.*, John McCord, *Supt.*, R. Price, *Mast. Tr. Rep.*, H. Willy, *Mast. Car Rep.*—GENERAL OFFICE, Polk and Sutter Sts., San Francisco, Cal.

Temple Street Cable Ry. operates 1.75 miles of road, owns 6 dummy engines and 6 cars. *Directors*, W. S. Maxwell, Victor Beaudry, Prudent Beaudry, Julius Lyons, Thomas Stovell, Ralph Rogers, E. A. Hall, Octavius Morgan, John Milner.—P. Beaudry, *Pres.*, O. Morgan, *Vice-Pres.*, F. W. Wood, *Sec. & Man.*, John Milner, *Treas.*—PRINCIPAL OFFICE, Los Angeles, Cal.

STATE OF COLORADO.

Trinidad Street RR. Co. operates 1.65 miles of road.—Sol. H. Joffe, *Pres. & Man.*, R. L. Wooten, *Sec.*, T. B. Collier, *Treas.*—GENERAL OFFICE, Trinidad, Col.

STATE OF CONNECTICUT.

Fairhaven and Westville RR. Co. operates 10 miles of road, owns 220 horses and 30 cars. *Directors*, Hoadley B. Ives, George H. Watrous, Ezekiel H. Trowbridge, Samuel Miller, Henry S. Parmele, Samuel Hemingway, John B. Carrington, Charles S. Blackman, E. Hayes Trobridge, Jr., New Haven, Conn.—Hoadley B. Ives, *Pres. & P. A.*, Leverett Candee, *Sec. & Treas.*, W. A. Graham, *Supt. & Mast. Tr. Rep.*, E. W. Easter, *Mast. Car Rep.*—GENERAL OFFICE, Simpson Block, New Haven, Conn.

STATE OF ILLINOIS.

Cairo Street Railway Co. operates 3 miles of road, owns 12 horses and 5 cars. *Directors*, J. A. Goldstine, Thomas Lewis, Harris Schulze, Albert Lewis, C. V. Neff, Cairo, Ill.—J. A. Goldstine, *Pres.*, C. V. Neff, *Vice-Pres.*, Harris Schulze, *Sec.*, Thomas Lewis, *Treas. Supt., etc.*—GENERAL OFFICE, Cairo, Ill.

STATE OF KENTUCKY.

***Central Passenger Street RR. Co.** operates 27 miles of road, owns 770 mules and 142 cars. *Directors*, B. du Pont, T. J. Minary, A. V. du Pont, F. Lamott, F. C. Donigan, Louisville, Ky.—B. du Pont, *Pres.*, T. J. Minary, *Vice-Pres.*, *Supt. & P. A.*, T. C. Donigan, *Sec.*—GENERAL OFFICE, Eighteenth and Walnut Sts., Louisville, Ky.

STATE OF MAINE.

Portland RR. Co. operates 10 miles of road, owns 174 horses and 39 horse cars.—H. J. Libby, *Pres.*, E. A. Newman, *Sec.*, *Treas. & Gen. Man.*, Geo. W. Soule, *Supt.*—GENERAL OFFICE, 484 Congress St., Portland, Me.

STATE OF MICHIGAN.

***Grand Rapids Street RR. Co.** operates 16 miles of road, owns 250 horses, 2 dummy engines, 65 cars and 11 other vehicles. *Directors*, John J. Shipherd, W. J. Hayes, Samuel Mather, J. H. Outhwait, Cleveland, O.; L. H. Withey, C. G. Swensberg, A. B. Watson, Grand Rapids, Mich.—W. J. Hayes, *Pres.*, L. H. Withey, *Vice-Pres.*, J. M. Weston, *Sec.*, C. G. Swensberg, *Treas.*, A. Bevier, *Supt. & P. A.*, D. Campbell, *Mast. Tr. Rep.*, S. B. Hurlburt, *Mast. Car Rep.*—GENERAL OFFICE, Grand Rapids, Mich.

STATE OF MISSOURI.

St. Louis Cable and Western Ry. Co. operates 19.2 miles of road, owns 72 cable-cars, 320 horse-power, limit power of engines, 600 horses.—Dwight Tredway, *Pres.*, A. de Figueiredo, *Gen. Man. & Sec.*, Manning Tredway, *Treas.*—GENERAL OFFICE, N. E. cor. Franklin and Channing Aves., St. Louis, Mo.

TERRITORY OF MONTANA.

Helena Street Ry. Co. operates 2 miles of road, owns 17 horses and 4 cars.—Chas. W. Cannon, *Pres.*, L. A. Walker, *Sec. & Treas.*—GENERAL OFFICE, Helena, Mont.

STATE OF NEW YORK.

Auburn City Ry. Co. operates 3.5 miles of road, owns 42 horses and 12 cars. *Directors*, Daniel B. Hatch, H. B. Hollins, Charles B. Foote, Bronson Peck, Jr., Charles L. Horton, New York, N. Y.; Gorton W. Allen, Leroy W. Stevens, Auburn, N. Y.—G. W. Allen, *Pres.*, Auburn, N. Y., H. B. Hollins, *Vice-Pres.*, Charles L. Horton, *Treas.*, Bronson Peck, Jr., *Sec.*—GENERAL OFFICE, Auburn, N. Y.; New York Office, 18 Wall St.

Binghamton Central RR. Co. The director's name Geo. L. Crandall should be Geo. L. Crandal. Also the President's name is the same.

Newburgh Street Ry. Co. operates 2.5 miles of road, with 2.5 miles under construction, owns 60 horses and 11 cars.—Rowland F. Hill, *Pres.*, William Moores, *Sec. & Treas.*, Henry Ives Smith, *Supt. & Gen. Man.*—GENERAL OFFICE, Newburgh, N. Y. PRESIDENT'S OFFICE, 3 Broad St., New York, N. Y.

Rome City Street Ry. Co. operates 5 miles of road, owns 60 horses and 13 cars.—Rowland F. Hill, *Pres.*, Charles W. Dayton, *Vice-Pres.*, William Moores, *Sec. & Treas.*, D. Haines, *Pur. Agt. & Supt.*—GENERAL OFFICE, 3 Broad St., New York, N. Y.

STATE OF OHIO.

Lima Street Ry. Motor and Power Co. operates 4 miles of road, with the Vande Poele system of electric motors.—B. C. Faurot, *Pres.*, F. L. Langan,

Sec. & Treas., J. H. Rose, *Supt.*—GENERAL OFFICE, Lima, O.

Wayne and Fifth Street Ry. Co. operates 3.5 miles of road, owns 30 horses and 6 cars. *Directors*, George W. Shaw, Ezra Bimm, John Harries, Jas. J. Bradford, Eugene Wuichet, Dayton, O.—George W. Shaw, *Pres.*, Ezra Bimm, *Vice-Pres.*, Eugene Wuichet, *Sec. & Treas.*, Nelson Boutzahn, *Supt.*, Ezra Bimm, *P. A., etc.*—GENERAL OFFICE, 29 Wayne St., Dayton, O.

STATE OF OREGON.

Transcontinental Street Ry. Co. Tyler Woodward is now President of this company, in place of W. F. Burrell.

STATE OF TENNESSEE.

Fatherland Street Railway Co. This road has been purchased by the Nashville and Edgefield Street RR. Co. For officers see below.

***Knoxville Street RR. Co.** operates 2.6 miles of road, also hack lines 1.25 miles, owns 27 horses, 6 cars and 1 hack. *Directors*, Wm. Morrow, J. S. Van Gilder, Geo. W. Ross, M. L. Ross, S. B. Lutterell, J. E. Ross, J. S. Van Gilder, Knoxville, Tenn.—Reps. Jones, *Pres.*, T. L. Beaman, *Sec.*, *Treas. & Man.*—GENERAL OFFICE, 336 Broad St., Knoxville, Tenn.

Mabry, Bell Avenue and Hardee Street Railway Co. operates 4.25 miles of road, owns 27 horses, 4 cars and 2 other vehicles. *Directors*, Wm. Morrow, J. S. Van Gilder, Reps Jones, S. B. Lutterell, M. L. Ross, Geo. W. Ross, J. E. Ross, Knoxville, Tenn.—J. S. Van Gilder, *Pres.*; T. L. Beaman, *Sec. & Treas.*, John Madden, *Supt.*—GENERAL OFFICE, 336 Broad St., Knoxville, Tenn.

McGavock and Mt. Vernon Horse RR. Co. operates 14.5 miles of road, owns 300 mules and 50 cars. Officers same as before.

Nashville and Edgefield Street RR. Co. operates 6.5 miles of road owns 110 mules and 21 cars.—James Yarbrough, *Pres.*, H. Stubblefield, *Sec. & Treas.*, Daugerfield Deaderick, *Supt. & P. A.*, James Barns, *Mast. Car Rep.*—GENERAL OFFICE, Nashville, Tenn.

North Edgefield and Nashville RR. Co. This road has been purchased by the Nashville and Edgefield Street RR. Co. For officers see road above.

STATE OF TEXAS.

Commerce and Ervay Street RR. Co. now forms a part of the Dallas Consolidated Street Ry. Co., which see below.

Dallas Street RR. Co. now forms part of the Dallas Consolidated Street Ry. Co., which see below.

Dallas Consolidated Street Ry. Co. operates 13 miles of road, owns 200 mules and 30 cars. Formed by the uniting of all the street car lines in Dallas, under the above name.—J. E. Henderson, *Pres.*, W. C. Conner, *Sec.*, S. S. Kingsbery, *Supt.*—GENERAL OFFICE, Dallas, Tex.

El Paso Street Railway Co. operates 6 miles of road, owns 40 mules and 18 cars.—J. F. Crosby, *Pres.*, B. H. Davis, *Vice-Pres.*, G. N. Marshall, *Sec. & Supt.*, C. R. Morchead, *Treas.*—GENERAL OFFICE, 175 Seventh St., El Paso, Tex.

***Galveston City RR. Co.** operates 25 miles of road, owns 214 mules and 79 cars. For officers and directors see other statement.

***San Antonio Street Railway Co.** operates 17 miles of road, owns 145 mules and 40 cars. *Directors*, A. Belknap, F. L. Talcott, James P. Newcomb, John Robb, San Antonio, Tex.; F. W. Pickard, New York, N. Y.—A. Belknap, *Pres.*, F. W. Pickard, *Vice-Pres.*, E. R. Norton, *Sec.*, John Withers, *Treas.*, John Robb, *Supt.*, John Bitz, *Mast. Tr. Rep.*, W. E. Davis, *Mast. Car Rep.*—GENERAL OFFICE, San Antonio, Tex.

TERRITORY OF UTAH.

***Salt Lake City RR. Co.** operates 10 miles of road, owns 80 mules, 10 horses and 20 cars.—John Taylor, *Pres.*, David McKenzie, *Sec.*, James Jack, *Treas.*, Orson P. Arnold, *Supt.*—GENERAL OFFICE, Salt Lake City, Utah.

STATE OF VERMONT.

Rutland Street Railway Co. operates 75 miles of road, owns 30 horses and 8 cars. *Directors*, J. N. Woodbin, John W. Cramton, Michael McKeogn, Albert H. Tuttle, George H. Cheney, Thomas J. Lyon, John A. Sheldon, Rutland, Vt.—John Woodbin, *Pres.*, Geo. H. Cheney, *Sec.*, Albert H. Tuttle, *Treas.*, Michael McKeogn, *Supt.*—GENERAL OFFICE, Rutland, Vt.

WASHINGTON TERRITORY.

Seattle Street Ry. Co. operates 4.25 miles of road, owns 24 horses and 7 cars.—F. H. Osgood, *Pres. & Man.*, Geo. Kinnear, *Sec.*—GENERAL OFFICE, Seattle, Wash. Terr.

STATE OF WEST VIRGINIA.

Citizen's Railway Co. operates 4.75 miles of road, owns 55 horses and 15 cars.—Geo. B. Caldwell, *Pres.*, Frank P. Hall, *Sec.*, M. Loftus, *Supt.*—GENERAL OFFICE, Wheeling, W. Va.

STATE OF WISCONSIN.

Appleton Electric Street Railway Co. operates 3.5 miles of road, owns 200 horse-power engine and 5 cars. *Directors*, J. E. Harriman, R. M. Lunt, G. W. Gerry, N. B. Clark, N. M. Edwards, Appleton, Wis.—J. E. Harriman, *Pres.*, N. B. Clark, *Vice-Pres.*, Joseph Koffend, *Sec. & Treas.*—GENERAL OFFICE, Appleton, Wis.

***Cream City RR.** operates 8.75 miles (double track) of road, owns 334 mules and 64 cars, of which 27 are in daily service.—Winfield Smith, *Pres.*, Christian Preusser, *Vice-Pres.*, Wm. Damkoehler, *Sec.*, F. Kuehn, *Treas.*, D. Atwood, *Man.*—GENERAL OFFICE, 440 East Water St., Milwaukee, Wis.

DOMINION OF CANADA.

Belleville Street RR. Co. operates 2 miles of road, owns 12 horses, 5 cars and 5 other vehicles. *Directors*, Horace Yeoman, Manley Roblin, John Lewis, Mrs. David Lockwood, Belleville, Ont.—David Lockwood, *Pres.*, S. A. Lockwood, *Sec.*, *Treas. & Supt.*—GENERAL OFFICE, Belleville, Ont.

St. John Street Railway Co. operates 1.33 miles of road, owns 24 horses, 4 cars and 4 omnibuses.—James W. Henry, *Pres.*, A. Robertson, *Vice-Pres.*, W. W. Martin, *Sec. & Man.*—GENERAL OFFICE, Quebec, Que.

RESUMPTION

AND THE

SILVER QUESTION;

A Handbook for the Times.

— EMBRACING —

A SKETCH OF THE COINAGE AND OF THE LEGAL-TENDER CURRENCIES OF THE UNITED STATES AND OTHER NATIONS.

By HENRY V. POOR.

(1878.)

Summary of the Contents.

PART I.—The distinction between the money of Banks and of Government.

PART II.—An examination of the Report of the late Conference between Mr. Secretary Sherman and the Committee on Finance of the Senate, and the Committee on Banking and Currency of the House of Representatives, of the United States.

PART III.—A History of the Coinage of the United States; of the Act of 1873, demonetizing silver; and a sketch of the monetary systems of the great commercial Nations, Great Britain, France, and Germany.

PART IV.—A History of Legal-Tender Currencies, embracing a History of the Legal-Tender Currencies of the Mongols; of the Continental Currency of the United States; of the Assignats of France, and of the present Legal-Tender Currency of the United States.

PART V.—The Greenback Party.

PART VI.—How Resumption is to be Effected.

PRESS NOTICES.

New York Evening Post.

We commend Mr. Poor's book, as it deserves, as a most convenient reference handbook concerning the history of silver money in the United States, the monetary history of other countries, and other matters of a similar nature, all of which are presented in compact and convenient shape, and fitted to the hand by an elaborate analytical index.

Philadelphia Ledger.

A timely and valuable book, which cannot be too carefully studied, and every line of which is full of warning and instruction.

New York Journal of Commerce.

A timely and valuable contribution to a subject now demanding the earnest attention of every thoughtful citizen. It will help to clear away much of the fog in which the whole question of the currency is now enveloped. It is in no sense partisan, and is addressed wholly to the reason and intelligence of the reader. It is indeed, as it is called, "A Handbook for the Times."

Boston Journal.

This volume is pungent and full of information. It is very fresh and suggestive, and contains a large amount of information which gives it value, and makes it stimulating and helpful in extending and directing financial discussion.

---

1 Volume, 12mo, Cloth, pp. 250. Price, $1.00.

Sent free of postage, on receipt of price, by the Publishers, and for sale by all Booksellers.

H. V. & H. W. POOR, Publishers, 70 Wall Street, New York.

BRIDGE BUILDERS.

Abbott Iron Works. See Rail Mills.
Anderson & Barr, 240 Eleventh Street, Jersey City, N. J.
Atlanta Bridge Works, Atlanta, Ga.
Berlin Iron Bridge Co., East Berlin, Conn., and Binghamton, N. Y. Officers: Charles M. Jarvis, President and Chief Engineer; Burr K. Field, Secretary and Treasurer.
Birmingham Bridge Co., Birmingham, Ala. C. W. Wood, General Manager, Birmingham, Ala.; F. C. Osborn, Consulting Engineer, 245 Forty-fourth Street, Pittsburgh, Pa.
Boston Bridge Works, 70 Kilby Street, Boston, Mass. D. H. Andrews, Proprietor.
Carnegie, Phipps & Co. See Rail Mills.
Cartter, M. S. & Co., Fifth and Locust streets, St. Louis, Mo.
Central Iron and Steel Co. See Car Axle Manufacturers.
Chester Rolling Mills, Thurlow, Pa. Philadelphia office, 238 South Third Street. Officers: T. J. Houston, General Manager; S. A. Crozer, Jr., Secretary; E. B. Houston, Treasurer.
Chicago, Forge and Bolt Co. See Car Axle Manufacturers.
Cofrode, D. S. 4037 Baring Street, Philadelphia, Pa.
Cofrode & Saylor, 257 South Fourth Street, Philadelphia, Pa.
Columbia Bridge Co., Dayton, O.
Columbus Bridge Co., Columbus, O.
Coolidge, W. G. & Co., Chicago, Ill.
Detroit Bridge and Iron Works, Detroit, Mich. Officers: Willard S. Pope, President and Engineer; W. C. Colburn, Secretary and Treasurer; W. L. Baker, Superintendent and Engineer, Detroit, Mich.
Diver, J. B. & Co., Keokuk, Ia.
Dominion Bridge Co., Montreal, Can.
Edge Moor Iron Co., Wilmington, Del., and 1600 Hamilton Street, Philadelphia, Pa. Officers: William Sellers, President; John Sellers, Jr., Vice-President; George H. Sellers, General Superintendent; William F. Sellers, Secretary; William H. Connell, Treasurer, Philadelphia, Pa.
Eyre, John P. & Co., 450 Richmond Street, Philadelphia, Pa.
Gibson, R. W., 330 Walnut Street, Philadelphia, Pa.
Gottlieb, A. & Co., Major Block, Chicago, Ill.
Hamilton Bridge Co., Hamilton, Ont.
Hamilton, T. H., Toledo, O.
Hawkins, R. F., Iron Works, Springfield, Mass.
Hilton Bridge Construction Co., Albany, N. Y.
Iron Substructure Co., Columbus, O.
Jones & Benner Co., 218 South Fourth Street, Philadelphia, Pa. Officers: W. M. Levering, President; M. Benner, Engineer; W. A. Garrigues, Secretary and Treasurer, Buffalo, N. Y.
King Iron Bridge and Manufacturing Co., Cleveland, O. Officers: Enos King, President; Ames A. King, Vice-President: Harley B. Gibbs, Secretary; C. F. Lewis, Engineer, Cleveland, O.
Lane, P. E., Chicago, Ill.
Licking Iron Works. Owned by the Licking Rolling Mill Co., Covington, Ky. Officers: I. Droege, President; F. J. Droege, Vice-President; J. C. Droege, Treasurer; B. Macke, Secretary, Covington, Ky.
Louisville Bridge and Iron Co., Louisville, Ky.
Lukens Rolling Mills. Owned by Charles Huston & Sons, Coatesville, Pa.
Kansas City Bridge and Iron Co., Kansas City, Mo.
Keystone Bridge Co., Pittsburgh, Pa.
MacCormick, J., Albany, N. Y.
Massillon Bridge Co., Massillon, O. J. C. Darst, A. J. Sprague, Room 7, Merchants' National Bank Building, Toledo, O.; H. A. Williams, E. W. Eckert, Massillon, O.
Missouri Valley Bridge and Iron Works, Leavenworth, Kan.
Morse Bridge Co., Youngstown, O.
Mount Vernon Bridge Co., Mt. Vernon, O.
New Jersey Steel and Iron Co., Trenton, N. J. Officers: Edward Cooper, President; Edwin F. Bedell, Secretary, New York, N. Y.; Frederick J. Slade, Treasurer; Joseph Stokes, Superintendent, Trenton, N. J.; Cooper, Hewitt & Co., Representatives, 17 Burling Slip, N. Y. City.
Niagara Bridge Works, Buffalo, N. Y. Officers: G. C. Bell, Manager; S. J. Fields, Engineer, Buffalo, N. Y.
Ohio Falls Iron Works, New Albany, Ill. Officers: W. C. De Pauw, President; Peter R. Stoy, Vice-President, Secretary, Treasurer and General Manager, New Albany, Ill.
Passaic Rolling Mill Co., Paterson, N. J. Officers: Watts Cooke, President; W. O. Fayerweather, Vice-President and Treasurer; A. C. Fairchild, Secretary; John K. Cooke, Superintendent, Paterson, N. J.
Pencoyd Iron Works. See Car Axle Manufacturers.
Penn Bridge Works, Beaver Falls, Pa. J. W. Shipman, Eastern Agent, Room 59, Tribune Building, New York, N. Y.
Phœnix Bridge Co., Philadelphia, Pa. Works at Phœnixville, Pa. Officers: David Reeves, President; W. H. Reeves, General Superintendent; George White, Secretary; Frank T. Davis, Treasurer.
Pittsburgh Bridge Co., Pittsburgh, Pa.
Richards, C. O. & Co., 15 Cortlandt Street, New York, N. Y.
Rochester Bridge and Iron Works, Rochester, N. Y.
Shanley, B. M. & J. F., 16 Exchange Place, Jersey City, N. J.
Shiffler Bridge Works, Pittsburgh, Pa.
Shipman, J. W. See Penn Bridge Co.
Smith, C. Shaler, St. Louis, Mo.
Smith Bridge Co., East Toledo, O.
Sooysmith & Co., 2 Nassau Street, New York, N. Y. Charles Sooysmith, Engineer and Manager; William Sooysmith, Consulting Engineer, New York, N. Y.
Swift's Iron and Steel Works. See Rail Mills.
Tredegar Iron Works. See Car Axle Manufacturers.
Union Bridge Co., 18 Broadway, New York, N. Y. Works at Buffalo, N. Y., and Athens, Pa.
Union Iron Mills. See Rail Mills.
Vulcan Forge and Iron Works. See Car Axle Manufacturers.
Walker, J. W., Pittsburgh, Pa.
Wallis Iron Works, Jersey City, N. J.
Wells & French Co. See Car Builders.
Weinhagen, F., Milwaukee, Wis.
Wilson, Bros. & Co., Philadelphia, Pa.
Wrought Iron Bridge Co., Canton, O. Officers: A. B. Abbott, President; D. Hammond, Vice-President; F. M. Wyant, Secretary and Treasurer; E. J. Landor, Engineer, Canton, O.

UNIVERSITY OF CALIFORNIA LIBRARY,
BERKELEY

THIS BOOK IS DUE ON THE LAST DATE
STAMPED BELOW

Books not returned on time are subject to a fine of 50c per volume after the third day overdue, increasing to $1.00 per volume after the sixth day. Books not in demand may be renewed if application is made before expiration of loan period.

APR 21 1924
DEC 9
MAY 26 1948
LIBRARY USE
MAR 2 1957
LIBRARY USE
FEB 6 1960
REC'D LD
FEB 6
27Feb'60BS
REC'D LD MAY 15 70-11 M
LIBRARY USE
FEB 13 1960
REC'D LD
FEB 13
LIBRARY USE
FEB 17 1960
REC'D LD
FEB 17 1960
MAY 29 1970 06
FEB 28 1977
FEB 3 77
MAY 12 1977
REC. CIR. JUN 30 77
10m-12,'28

STEE ES
F
Johnson
JOHN

We offi me-
tallic CRO rket
adapted to row
Gauge and Plantation Tracks. They are made entirely of steel, and are both stiff and light. For illustrations and further information apply direct.

U. C. BERKELEY LIBRARIES
C041808625

BONDS OF SUR

Fidelity and Casualty Company,

214 and 216 BROADWAY, NEW YORK.

Cash Capi ... 00 00

Assets, M ... 746 85

WM. M. RI ... cretary.

GEO. F. SEV ... ss't Sec'y.

BONDS FURN ... ILROADS,
EXPRESS ... IES,
BA

39988
HE2723
.P8
1887
UNIVERSITY OF CALIFORNIA LIBRARY

The guarantee of this Company is accepted by the Courts of New York, Pennsylvania, Massachusetts, Connecticut, California, and other States, in lieu of two individual sureties.

DIRECTORS.

GEO. S. COE, President American Exchange National Bank.
J. S. T. STRANAHAN, Pres. Atlantic Dock Co.
ALEX. E. ORR, Pres. N. Y. Produce Exchange.
G. G. WILLIAMS, Pres. Chemical National Bank.
A. B. HULL, Retired Merchant.
H A. HURLBUT, President of Commissioners of Emigration.
J. D. VERMILYE, Pres. Merchants' National Bank.
JOHN L. RIKER, of J. L. & D. S. Riker.
A. S. BARNES, of A. S. Barnes & Co.
J. G. McCULLOUGH, Pres. Panama Railroad Co.
THOS. S. MOORE, of Moore, Low & Wallace.
WM. M. RICHARDS, President.
GEO. F. SEWARD, Vice-President.

GENERAL AGENCIES.

Atlanta, Ga.—W. T. CRENSHAW.
Baltimore, Md.—BIRCKHEAD & SON, Firemen's Building.
Bangor, Me.—BLAKE, BARROWS & BROWN.
Boston, Mass.—ELLISON, BAKER & COOLIDGE, 70 Water Street.
Chicago, Ill.—GEO. W. MONTGOMERY & Co., 206 La Salle Street.
Cleveland, Ohio—E. B. TIDD.
Denver, Col.—PACKARD & WILSON.
Detroit, Mich.—BOWEN, DOUGLASS & WHITING, Attorneys.
Duluth, Minn.—R. W. BAKER, Board of Trade.
Grand Rapids, Mich.—E. E. WINSOR.
Jacksonville, Fla.—FRANK R. OSBORNE.
Kansas City, Mo.—B. T. WHIPPLE & Co.
Milwaukee, Wis.—EDWIN UPSON, 80 Michigan St.
Minneapolis, Minn.—JACOB STONE.
New Orleans, La.—MARSHALL J. SMITH & Co.
Philadelphia, Pa.—C. A. DUY, 154 S. Fourth St.
Pittsburgh, Pa.—J. H. SCOTT & Co.
Richmond, Va.—J. B. MOORE, 1106 Main Street.
Rochester, N. Y.—M. E. WOLLF.
San Francisco, Cal.—JAS. R. GARNISS, 219 Sansome Street.
Springfield, Mass.—A. P. CHILDS.
St. Louis, Mo.—W. G. BENTLEY & Co., 417 Locust Street.
St. Paul, Minn.—I. E. ATHER

GENEVA

NON-MAGNETIC WATCH CO.,

LIMITED.

Sole Manufacturers of

FINE AND COMPLICATED WATCHES.

ACCURATELY ADJUSTED TO TEMPERATURE.

Containing Paillard's Patent Non-Magnetic Inoxydable Compensation Balance and Breguet Hair Spring,

UNINFLUENCED BY MAGNETISM AND ELECTRICITY.

Especially Adapted to Railroad Uses.

GENERAL OFFICES, 177 & 179 BROADWAY, NEW YORK, U.S.A.

SEND FOR CATALOGUE.